SUPERIOR CHEMISTRY IN CONSTRUCTION
INTRODUCTION

ASAS Construction Chemicals Factory, Qatar is a state of the art facility for manufacturing high quality chemical formulations for Construction, Petrochemicals & Oil & Gas Sectors. The raw materials are sourced from renowned international suppliers and the products are manufactured locally. The fully automated Concrete Admixtures and Powder Products plant enables us to manufacture products at a large volume with consistent quality and shorter production time.

The products are designed and developed as per international standards and specifications that undergo rigorous testing regime in our inhouse laboratory before delivery to the customers. We are committed to follow a very high level of Safety and Environmental standards in our manufacturing process and quality of finished goods. Products with very low or Zero VOC, that are environment friendly also helps our customers to obtain LEED credits for their projects.

Our customers are assured of our excellent after sales technical and application support. We look forward to be your reliable partner in fulfilling your project requirements for specialty construction products.
CONCRETE ADMIXTURES

GT Admix LP - Low range SNF based Super Plasticizer
GT Admix MP - Medium range SNF based Super Plasticizer
GT Admix HP - High range SNF based Super Plasticizer
GT Admix PC - L - PCE based Hyper Plasticizer
GT Admix PC - M - PCE based Hyper Plasticizer
GT Admix PC - H - PCE based Hyper Plasticizer
GT Admix IW - Integral Waterproofing Admixture
GT Admix AE - Air Entraining Concrete Admixture
GT Admix MP - Mortar Plasticizer
GT Admix CI - Corrosion Inhibiting Concrete Admixture
GT Foamix - Foam Concrete Admixture
GT Admix LP (SP)

**Description**
Sulphonated Naphthalene Polymers based Concrete Superplasticizer specially formulated to give high water reductions up to 25% without loss of workability.

**Usage**
GT Admix-LP (SP) has been developed for use in mass concreting works, pumpable concrete mixes and enhance workability retention for long distance transport of concrete.

**Properties**
- Colour: Brown
- Specific Gravity: 1.01 + 0.05
- Standard Compliance: ASTM C494 Type A and F
- Consumption: 0.2 to 2 litres per 100 kg cement

Pack Size: 200 Ltrs, 1000 Ltrs

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GT Admix MP (SP)

**Description**
Sulphonated Naphthalene Polymers based concrete superplasticizer to improve dispersion of fine material in the concrete mix and to enhance properties of fresh and hardened concrete.

**Usage**
GT Admix-MP(SP) has been developed for use in mass concrete, pumpable concrete and long distance transport concrete mixes.

**Properties**
- Colour: Brown
- Specific Gravity: 1.01 + 0.05
- Standard Compliance: ASTM C494 Type A and F
- Consumption: 0.2 to 2 litres per 100 kg cement

Pack Size: 200 Ltrs, 1000 Ltrs
**GT Admix HP (SP)**

**Description**
High performance super plasticizer based on Sulphonated Naphthalene Polymers with enhanced plasticizing and water reduction properties. It effectively disperses the fine material in concrete mix to improve workability and retention. The cured concrete will exhibit reduced permeability to water, chloride ions and corrosive gases, low water absorption and high mechanical strength.

**Usage**
GT Admix-HP(SP) has been developed for use in mass concrete, pumpable concrete and long distance transport concrete mixes.

**Properties**
- **Colour**: Brown
- **Specific Gravity**: 1.01 ± 0.05
- **Standard Compliance**: ASTM C494 Type G
- **Consumption**: 0.2 to 2 litres per 100 kg cement

**Pack Size**: 200 Ltrs, 1000 Ltrs

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**GT Admix PC-L**

**Description**
A Polycarboxylic Ether based concrete hyperplastizier suitable for producing pumpable concrete mixes with high workability retention. It effectively disperses the fine material in the concrete mix and helps to reduce water and cement content without affecting the properties of fresh and hardened concrete. Suitable for use in concrete mixes containing cement replacement materials such as Microsilica, GGBFS and Fly Ash. It has low alkalinity, chloride free and enhances durability characteristics of hardened concrete.

**Usage**
For use in Ready Mix Concrete, Mass concreting works and Pumpable Concrete Mixes, Site batched concrete and grout mixes.

**Properties**
- **Colour**: Light Brown
- **Specific Gravity**: 1.08 ± 0.05
- **Standard Compliance**: ASTM C494 Type B and D
- **Consumption**: 0.2 to 2 litres per 100 kg cement

**Pack Size**: 200 Ltrs, 1000 Ltrs
GT Admix PC-M

Description
A new generation hyperplasticiser based on Polycarboxylic Ether Polymer. It combines the properties of high water reduction and workability retention and is suitable for producing high performance concrete mixes with reduced cement content, extended workability retention and high flow characteristics. Suitable for use in concrete mixes containing cement replacement materials such as Microsilica, GGBFS and Fly Ash. It has low alkalinity, chloride free and enhances durability characteristics of hardened concrete.

Usage
For use in Ready Mix Concrete, Precast Units, Site batched concrete and grout mixes.

Properties
<table>
<thead>
<tr>
<th>Property</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Light Brown</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.08 + 0.05</td>
</tr>
<tr>
<td>Standard Compliance</td>
<td>ASTM C494 Type B and D</td>
</tr>
<tr>
<td>Consumption</td>
<td>0.2 to 2 litres per 100 kg cement</td>
</tr>
</tbody>
</table>

Pack Size: 200 Ltrs, 1000 Ltrs

GT Admix PC-H

Description
High performance new generation hyperplasticiser based on Polycarboxylic Ether Polymer technology. The high solid content formulation of the product allows greater water and cement reduction without affecting flow, workability and retention. Suitable for producing high grade concrete mixes with improved durability characteristics such as reduced water permeability, chloride ion penetration and water absorption. Suitable for use in concrete mixes containing cement replacement materials such as Microsilica, GGBFS and Fly Ash.

Usage
For use in Ready Mix Concrete, Precast Units, Site batched concrete and grout mixes.

Properties
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<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Standard Compliance</td>
<td>ASTM C494 Type B and D</td>
</tr>
<tr>
<td>Consumption</td>
<td>0.2 to 2 litres per 100 kg cement</td>
</tr>
</tbody>
</table>

Pack Size: 200 Ltrs, 1000 Ltrs
GT Admix IW

**Description**
Integral liquid waterproofing admixture formulated from polymers designed to reduce permeability in cement based mortars and screeds. It reduces the water demand for required workability and minimize segregation and Bleeding.

**Usage**
Waterproofing additive for concrete mixes used in indoor, outdoor, permanently immersed and below ground conditions.

**Properties**
- **Colour**: Brown
- **Specific Gravity**: 1.08 ± 0.05
- **Standard Compliance**: ABS 5075, BS:EN 934-2
- **Consumption**: 0.3 to 0.7 litres per 100 kg cement

Pack Size: 200 Ltrs, 1000 Ltrs

GT Admix AE

**Description**
Air entraining admixture that acts on the interface of the cement/aggregate particles and mixing water to produce microscopic air bubbles evenly distributed throughout the concrete and it’s a chloride free admixture.

**Usage**
GT Admix AE typical application includes Bridge decks, concrete road ways and Airport runways and taxiways.

**Properties**
- **Colour**: Brown
- **Specific Gravity**: 1.02 ± 0.01
- **Standard Compliance**: BS 5075, BS:EN 934-2
- **Consumption**: 0.1 to 1.0 litre per cum

Pack Size: 200 Ltrs, 1000 Ltrs

GT Admix MP

**Description**
Mortar admixture to improve the workability, cohesion of concrete and mortar mixes, resistance to freeze/thaw cycles, by entraining a controlled quantity of air to mortar mix.

**Usage**
Recommended for sand cement mortars to improve surface finish, workability and freeze/thaw cycle resistance properties.

**Properties**
- **Colour**: Brown
- **Specific Gravity**: 1.02 ± 0.01
- **Standard Compliance**: BS 4887
- **Consumption**: 0.3 to 0.6 litre per 100kg cement

Pack Size: 200 Ltrs, 1000 Ltrs
GT Admix CI

Description
Corrosion inhibiting admixture based on calcium nitrate formulated to exhibit a neutral concrete setting time and inhibit the corrosion of steel reinforcement.

Usage
Protection for reinforcing steel and can be used in prestressed and post-tensioned concrete in vertical and horizontal members.

Properties
- Colour: Light green
- Specific Gravity: 1.30 ± 0.03
- Standard Compliance: ASTM G109
- Consumption: 7-20 litres per cum depending on chloride exposure levels

Pack Size: 200 Ltrs, 1000 Ltrs

GT Foamix

Description
Concentrated foaming admixture, diluted with water and passed through a foam generator to produce a stiff white foam, which is added to mortar mix to produce light weight screed and mortar. The foam remains stable in alkaline conditions and shall be blended to the mortar mix at various dosage to get the desired density.

Usage
Typical applications include Light Weight Roofing Screeds, as low strength filling material for cavities and voids, storage tanks, sewer lines, floor levelling works etc.

Properties
- Colour: Yellow liquid
- Specific Gravity: 1.022 ± 0.01
- Consumption: 0.6 to 2 litres per cum depending on density of the mix.

Pack Size: 200 Ltrs, 1000 Ltrs
SURFACE TREATMENTS

GT Cure WB - Water based Curing Compound
GT Cure AB - Acrylic based over paintable Curing Compound
GT Formkote WB - Water based Form Release Agent
GT Formkote MB - Oil based Form Release Agent
GT Coat SR - Surface retarder coating for fresh concrete
**GT Cure WB**

**Description**
Water based curing compound for concrete based on paraffin wax emulsion. Forms a stain free film on concrete surface to retain moisture and facilitates proper hydration of cement. Effective alternative method for water curing.

**Usage**
Curing of freshly poured concrete, screed, plaster, concrete repair mortar. Suitable for internal and external use.

**Properties**
- **Colour**: White, Clear with Fugitive Dye
- **Specific Gravity**: 1.01 + 0.05
- **Standard Compliance**: ASTM C309/ASTM C156
- **Theoretical Coverage**: 5 sqm/litre (ASTM C309)

**GT Cure AB**

**Description**
Acrylic resin based curing and sealing compound for concrete compatible with subsequent finishes such as renders, waterproofing membranes/coatings, protective coatings etc., Provides high curing efficiency by retaining moisture and facilitates proper hydration of cement. Effective alternative method for water curing.

**Usage**

**Properties**
- **Colour**: White
- **Specific Gravity**: 1.008g/cm3
- **Standard Compliance**: ASTM C309 / BS 7542
- **Theoretical Coverage**: 5 sqm/litre (ASTM C309)

**GT Formkote WB**

**Description**
Water based, cost effective and ready to use release agent for formworks and moulds. Applied as a thin coat using roller or spray to facilitate easy removal of formwork after concreting. Non staining, improves surface finish and minimizes pin hole formation. Protects formwork surface and increases repetitions.

**Usage**
Release coat on Timber, Steel, GRP, Resin coated formwork and moulds. Suitable for grey and white cement concrete.

**Properties**
- **Colour**: White
- **Specific Gravity**: 1.01 + 0.005
- **Theoretical Coverage**: 14 sqm/litre (Porous Formwork) & up to 40 sqm/litre (Non porous & Metal Formworks)

**Pack Size**: 20 Ltrs, 200 Ltrs
GT Formkote MB

**Description:**
Oil based non staining form release agent for formwork, mould and synthetic liners. Facilitates production of high quality fair faced concrete with minimal surface blemishes. Improves service life of formwork.

**Usage:**
Release coat on Timber, Steel, GRP, Resin coated formwork and moulds. Synthetic liners etc.

**Properties**
- **Colour:** Yellow
- **Specific Gravity:** 0.85
- **Theoretical Coverage:** 14 sqm/litre (Porous Formwork) & up to 40 sqm/litre (Non porous & Metal Formworks)

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GT Coat SR

**Description:**
Water based high performance surface retarder for concrete with extended retardation time. Retards hydration of cement paste on applied surfaces to a depth of 3-5mm to expose aggregates. Suitable for application on exposed and formed concrete surfaces. Dual performance product suitable as form release agent and surface retarder.

**Usage:**
To obtain exposed aggregates finish for architectural elements in precast and cast in situ concrete, formation of mechanical key on concrete surfaces for rendering and fresh concrete pours in construction joints etc.

**Properties**
- **Colour:** Amber
- **Specific Gravity:** 1.034 g/cm3
- **Theoretical Coverage:** 4-8 sqm/litre

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GROUNTS

GT Grout GP - General Purpose Non Shrink Cement Grout
GT Grout FF - Non Shrink Cement Grout with Fine Fillers
GT Grout HF - Non Shrink High Flow Cement Grout
GT Grout DS - Non Shrink Cement Grout for thick section grouting
GT Grout HS - High Strength Non Shrink Cement Grout
GT Grout PT - Prebagged Post Tensioned Cable Grout
GT Grout Admix GP - Non Shrink and Plasticizing Grout Additive
GT Grout Admix PT - Post Tensioned Cable Grout Additive
GT Grout ER 10 - Non Fillerised High Strength Epoxy Resin Grout
GT Grout ER 100 - Fillerised High Strength Epoxy Resin Grout
GT Grout ER 300 - Low Exotherm High Strength Epoxy Resin Grout
GT Grout GP

**Description**
Non Shrink Cementitious grout supplied as a blend of Portland cement, graded aggregates and additives that only requires addition of specified amount of water to produce a free-flowing grout with high early strength. The gaseous expansion system compensates for early plastic shrinkage and consequent settlement.

**Usage**
Base plate grouting and filling of bolt pockets of mechanical equipments, steel column base plate, anchoring reinforcement bars and steel sections in concrete, joint filling between precast units. General void filling in concrete and rock, core holes, tie rod holes. Sealing around pipe and other penetrations through concrete.

**Properties**
- **Form**: Dry Powder
- **Fresh Density**: 2250 kg/cm³
- **Compressive Strength**: 1 day – 25 N/mm² | 7 days – 45 N/mm² | 28 days – 65 N/mm²
- **Standard Application thickness**: 10-100mm
- **Yield**: 13.30 litres per bag

Pack Size: 25 kg bag

GT Grout FF

**Description**
Fine filler based high flowability Non Shrink Cementitious grout for sealing narrow gaps. Suitable for filling gaps by gravity feed method or pumping. Supplied in ready to use powder blend which requires addition of water at site.

**Usage**
Filling of cavities, annular gap around pipe, sleeves, cable penetrations, between precast concrete elements etc., pumped grouting applications into difficult to access locations, bolt pockets, steel column bases, sealing of cracks and voids in concrete, masonry etc.

**Properties**
- **Form**: Dry Powder
- **Fresh Density**: 1950 kg/cm³
- **Compressive Strength**: 1 day - 25 N/mm² | 7 days - 40 N/mm² | 28 days - 60 N/mm²
- **Standard Application thickness**: 5-50mm
- **Yield**: 17.50 litres per bag

Pack Size: 25 kg bag
**GT Grout HF**

**Description**
Dual shrinkage compensated high flow non shrink cement grout. Enhanced fluidity characteristics of mixed grout retains long distance flow under gravity. Hydrogen free expansion system and rapid strength gain facilitates wide range of grouting applications for static and dynamic loading conditions.

**Usage**
Grouting of long base plates, bolt pockets of static and reciprocating equipments, crane rails, bridge bearings, steel column baseplate, anchoring reinforcement bars and steel sections in concrete.

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Dry Powder</td>
</tr>
<tr>
<td>Fresh Density</td>
<td>2200 kg/cm³</td>
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<tr>
<td>Compressive Strength</td>
<td>1 day – 30 N/mm²</td>
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<tr>
<td>Standard Application</td>
<td>thickness: 10-150 mm</td>
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<tr>
<td></td>
<td>Yield: 13.5 to 14.5 litres per bag</td>
</tr>
</tbody>
</table>

**Pack Size:** 25 kg bag

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**GT Grout DS**

**Description**
Deep section aggregate filled non shrink cement grout. Low heat of hydration aids application in thick sections where standard non shrink grouts are not suitable. Enhanced mechanical properties facilitates application for static and dynamic loading conditions.

**Usage**
Filling of deep and wide bolt pockets, voids beneath storage tanks, equipment base plates, tower cranes, voids and core filling in concrete, general concrete repair works, pile head reprofilng.

**Properties**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Dry Powder</td>
</tr>
<tr>
<td>Fresh Density</td>
<td>2500 kg/cm³</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>1 day – 20 N/mm²</td>
</tr>
<tr>
<td>Standard Application</td>
<td>thickness: 50-300 mm</td>
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<tr>
<td></td>
<td>Yield: 11.50 litres per bag</td>
</tr>
</tbody>
</table>

**Pack Size:** 25 kg bag
GT Grout HS

**Description**
High performance non shrink, free flow cement grout. Designed for high early strength development, low permeability and high fluid retention. High ultimate strength enhances fatigue and impact resistance. Suitable for heavy static and dynamic loading conditions.

**Usage**
Grouting of turbines, pumps, generators, tower cranes, rails, silos and storage tanks, bridge bearings, precast concrete units, bolt pockets.

**Properties**
- **Form**: Dry Powder
- **Fresh Density**: 2250 kg/cm³
- **Compressive Strength**: day – 45 N/mm² | 7 days – 70 N/mm² | 28 days – 85 N/mm²
- **Standard Application thickness**: 10-150 mm
- **Yield**: 12.5 to 13.5 litres per bag

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GT Grout PT

**Description**
Prebagged non shrink free flow cement grout for filling post tensioned cable ducts and ground anchors. Designed to provide high fluid and flow retention properties at a low water powder ratio with faster strength development. Pre proportioned blend of dry powder only requiring addition of recommended quantity of water at site.

**Usage**
Filling of post tensioned cable ducts, ground anchors, pipe sleeves, cavities etc.

**Properties**
- **Form**: Dry Powder
- **Fresh Density**: 2000 kg/cm³
- **Compressive Strength**: 1 day – 25 N/mm² | 7 days – 65 N/mm²
- **Fluidity**: Initial-10-20seconds|30minutes-<25seconds
- **Chloride Content**: 0.02%
- **Yield**: 16 to 17 litres per bag

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GT Grout Admix GP

**Description**
High performance non metallic, expanding and plasticizing admixture for site batched grouts, mortar and concrete. Controlled expansion compensates shrinkage of cement and plasticizing action enhances fluidity and strength at low water powder ratio.

**Usage**
Cable grouting, soil anchors, non-shrink infills, as a non-shrink additive for mortar and concrete for blockwork and bedding applications, cement slurry injection grouting, crack sealing etc.

**Properties**
- **Form**: Dry Powder
- **Expansion**: 1-5%
- **Chloride Content**: Nil
- **Consumption**: 0.225 kg per 50 kg cement

Pack Size: 25 kg bag

GT Grout Admix PT

**Description**
A pre blended mixture of plasticizing and water reducing agent with expanding additive for addition to cement and water at site to produce high strength grouts for post tensioned cables and fixing of anchors or bolts in concrete or rock. Low permeability, high strength and prevents corrosion of embedded steel bars and strands.

**Usage**
Post tensioned cable duct filling, soil anchors, fixing anchors or bolts in concrete and rock.

**Properties**
- **Form**: Dry Powder
- **Expansion**: 1-5%
- **Chloride Content**: Nil
- **Flowability (Flow Cone)**: Initial - 20 seconds 60 minutes - 40 seconds
- **Bleeding**: <0.15%
- **Compressive Strength**: 65Mpa@28days
- **Consumption**: 3.0 kg per 50 kg cement at w/c=0.34

Pack Size: 15 kg bag
GT Grout ER10

Description
Non fillerised, free flow high strength epoxy resin grout suitable for filling narrow gaps and voids. Suitable for application by pumping or gravity feed method. Cured grout provides high chemical resistance and prevents ingress of oils, grease and water.

Usage
Filling of narrow gaps and voids below equipment bases, bolt pocket, fixing of anchors, bolts & reinforcement bars in concrete. Suitable for use in areas susceptible to spillage of chemicals, oil, grease, sea water etc.

Properties
Form: Two Component low viscous resin
Fresh Density: 1000 - 1050 kg/cm³
Compressive Strength:
1 day - 60 N/mm² | 3 days - 70 N/mm² | 7 days - 90 N/mm²
Standard Application thickness: 0.1-10 mm
Consumption: 1000 ltrs per cum

Pack Size: 1 litre & 4 litres pack

GT Grout ER100

Description
Fillerised, free flow, high strength epoxy resin grout. Rapid strength facilitates faster installation of equipments and reduces shutdown time. High mechanical properties with improved resistance to vibrations, impact and dynamic loads. Suitable for wide range of grouting applications and provides high resistance to spillage of chemicals, oils, grease and water.

Usage
Grouting of turbines, pumps, generators, tower cranes, rails, silos and storage tanks, bridge bearings, precast concrete units, bolt pockets.

Properties
Form: Component A (Base) - Liquid
Component B (Hardener) - Liquid
Component C (Filler) - Powder
Fresh Density: 2000 kg/cm³
Compressive Strength:
1 day - 90 N/mm² | 7 days - >100 N/mm²
Standard Application thickness: 10-150mm
Consumption: 50 packs (20 ltrs) per cum

Pack Size: 20 litres pack
GT Grout ER300

**Description**
Fillerised, free flow, high strength low exothermic epoxy resin grout suitable for thick section applications. Rapid strength facilitates faster installation of equipments and reduces shutdown time. High mechanical properties with improved resistance to vibrations, impact and dynamic loads. Suitable for wide range of grouting applications and provides high resistance to spillage of chemicals, oils, grease and water.

**Usage**
Grouting of turbines, pumps, generators, tower cranes, rails, silos and storage tanks, bridge bearings, precast concrete units, bolt pockets.

**Properties**
- **Form**
  - Component A (Base) - Liquid
  - Component B (Hardener) - Liquid
  - Component C (Filler) - Powder
- **Fresh Density**: 2000 kg/cm³
- **Compressive Strength**
  - 1 day – 70 N/mm²
  - 7 days – >100 N/mm²
- **Standard Application thickness**: 50-300 mm
- **Consumption**: 50 packs (20 ltrs) per cum

**Pack Size**: 20 litre pack
RESTORING THE PAST
BUILDING THE FUTURE
REPAIR MATERIALS

GT Crete FC  - One Component Concrete Fairing Coat, Blow Hole Filler and Repair Mortar
GT Crete FC2 - Two Component Concrete Fairing Coat, Blow Hole Filler and Repair Mortar
GT Crete GP  - General Purpose Concrete Repair Mortar
GT Crete FR  - Fibre Reinforced High Strength Concrete Repair Mortar
GT Crete LD  - Low Density Concrete Repair Mortar
GT Crete MC  - Free Flow High Strength Microconcrete
GT Crete MC500 - High Strength Microconcrete for thick section applications
GT Crete Quickfix - Rapid Setting Water Plugging Compound
GT Zincoat AC - Zinc based Anti Corrosion Coating for Steel Bars
GT Repoxy FC - Solvent Free Epoxy Resin based Fairing Coat, Blow Hole Filler and Adhesive
GT Repoxy CF - Solvent Free Epoxy Resin based Fairing Coat, Blow Hole Filler for thick applications
GT Repoxy GP - General purpose High Strength Epoxy Resin Repair Mortar
GT Repoxy BM - Epoxy Resin based Benching and Lining Mortar
GT Mortar PE - Polyester Resin based Repair Mortar
GT Injecto EP - Low Viscous Epoxy Resin based Injection Resin
GT Injecto PU10 - Water Reactive Foam Forming Polyurethane Based Injection Resin
GT Injecto PU20 - Low Viscous, Damp Tolerant Flexible Polyurethane Resin for Injection
GT Injecto Elastogel - Methacrylate based Elastic Injection Gel
GT Crete FC

**Description**
One component polymer modified cementitious repair mortar and fairing coat. Supplied as a pre proportioned blend of cement, polymer, fine fillers and special additives which requires addition of water to produce a smooth and creamy easy to apply repair mortar.

**Usage**
Repair of pin holes and minor surface defects, fairing coat on large areas to get uniform surface finish, sealing of minor cracks on concrete and plaster, cosmetic repairs.

**Properties**
- **Form**: Dry Powder
- **Color**: Grey
- **Fresh Density**: 1850 kg/cm³
- **Application**
  - **Thickness per layer**: 0-3mm
  - **Compressive Strength**: >15 N/mm²
  - **Yield**: 18 litres per bag

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GT Crete FC2

**Description**
Two component polymer modified cementitious repair mortar and fairing coat. Component A is a pre proportioned blend of cement, polymer, fine fillers, special additives and Component B is a latex polymer.

**Usage**
Repair of pin holes and minor surface defects, fairing coat on large areas to get uniform surface finish, sealing of cracks on concrete and plaster, general concrete repairs up to 12mm thickness.

**Properties**
- **Form**: Component A - Dry Powder | Component B - Liquid
- **Color**: Component A - Grey | Component B - White
- **Fresh Density**: 1800 kg/cm³
- **Application**
  - **Thickness per layer**: 0-12mm
  - **Compressive Strength**: >15 N/mm²
  - **Yield**: 15 litres per pack

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**GT Crete GP**

**Description**
General purpose prepacked polymer modified cement based repair mortar with specially graded aggregates. The product is shrinkage compensated and requires only addition of recommended quantity of water at site. The cured mortar exhibits low water permeability, enhanced crack resistance and protects embedded steel reinforcement bars from corrosive effects of atmospheric gases.

**Usage**
General repair of columns, beams, slabs, RC walls and foundations in buildings and other utility structures. Also suitable for Tie rod hole filling, Repair of cracks in new construction and old structures.

**Properties**
- **Form**: Dry Powder
- **Color**: Grey
- **Fresh Density**: 2200 kg/cm³
- **Compressive Strength**: >45 N/mm² at 28 days
- **Application Thickness per layer**: 5-50mm
- **Yield**: 13.70 litres per bag

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**GT Crete FR**

**Description**
Structural grade high strength, fibre reinforced, polymer modified one component cementitious repair mortar. Supplied as a dry blend of cement, fillers and special additive for easy mixing and use at site. The product is shrinkage compensated, exhibits high mechanical properties and prevents ingress of moisture and corrosive gases into concrete.

**Usage**
Repair of honeycombs and voids in structural members such as column, beam, slab, foundation etc. in buildings, road and highway structures, dams, marine structures, waste water treatment and other water retaining structures, Industrial Structures etc. Suitable for Tie rod hole filling, Repair of cracks in new construction and old structures.

**Properties**
- **Form**: Dry Powder
- **Color**: Grey
- **Fresh Density**: 2200 kg/cm³
- **Compressive Strength**: 65 N/mm² at 28 days
- **Application Thickness per layer**: 10-50mm per layer
- **Yield**: 13 litres per bag

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Pack Size: 25 kg bag
GT Crete LD

Description
Light Weight polymer modified cementitious repair mortar with low density fillers. Particularly suitable for high build, self supporting applications without use of formwork in soffit and vertical surfaces.

Usage
Repair of damaged or spalled concrete in soffit of slab and vertical surfaces in beam, column and walls. Suitable for light weight infills and repairs and for use in locations with limitations for dead loads.

Properties
- Form: Dry Powder
- Color: Grey
- Fresh Density: 1600 kg/cm³
- Compressive Strength: >45N/mm² at 28days
- Application Thickness per layer: 10-75mm per layer
- Yield: 18.5 litres per bag

Pack Size: 25 kg bag

GT Crete MC

Description
Pre bagged, structural grade free flow, high strength, non-shrink microconcrete for concrete repairs. Supplied as a dry blend of cement, aggregate and special additive for easy mixing and use at site. The fluid consistency of mixed material aids application in thick sections using formwork and is suitable for wide range of applications.

Usage
Repair of structural members such as column, beam, slab, foundation etc., Pile head repair, filling of voids and pockets in concrete. Suitable for structural repairs in new construction and old structures in marine conditions, waste water treatment and other water retaining structures, buildings, highway structures, concrete pavement etc.

Properties
- Form: Dry Powder
- Color: Grey
- Fresh Density: 2500 kg/m³
- Compressive Strength: 70 N/mm² at 28 days
- Application Thickness per layer: 40-300mm
- Yield: 11.3 litres per bag

Pack Size: 25 kg bag
GT Crete Quickfix

**Description**
Fast setting, chloride free cementitious plugging mortar for arresting water leakages instantly. The product is based on special type of cement and additives and is suitable for wet and dry applications. Suitable for application in reinforced concrete, blockwork, precast units and concrete pipes.

**Usage**
For instant sealing of water leakages through cracks and joints in concrete in basement structures, roof slab, manholes, lift pits, water tanks, concrete pipes etc., sealing of constructing joints and cracks prior to cement grout or resin injection. Suitable for negative side plugging of water leakages in block walls and reinforced concrete elements, anchoring of shear connectors, filling of joint between precast units etc.

**Properties**
- **Form**: Dry Powder
- **Color**: Grey
- **Fresh Density**: 1800 kg/cm³
- **Compressive Strength**: >45N/mm² at 28days

Pack Size: 25 kg bag
GT Repoxy BM

Description
Solvent Free Epoxy resin based manhole benching and repair mortar. The cured mortar exhibits excellent mechanical properties, impermeable to water and gases and resistant to sewage, salt water, hydrocarbons and wide range of chemicals. Suitable for use in areas exposed to heavy impact loads and abrasion. Excellent adhesion to concrete, steel, wood and natural stone.

Usage
Internal lining and benching of Sewage and Storm water manholes, storage tanks, oil sumps, waste water treatment structures. Fixing of manhole frames.

Properties
Form : Part A - Liquid | Part B - Liquid | Part C - Dry Powder
Fresh Density : 1900±50 kg/cm³
Compressive Strength : 90N/mm²at7days
Chemical Resistance : Resistant to wide range of acids, alkalis, salt water, sewage, petrol, diesel and solvent.
Application thickness : Horizontal Surface: 5-100mm
Yield : 50 packs per cum (20 litres pack)

GT Repoxy GP

Description
High Strength three part solvent free epoxy mortar for concrete repairs. Supplied in pre weighed quantities of Base (Part A), Hardener (Part B) and Filler (Part C) for easy mixing and application. The cured mortar will achieve high mechanical strength, low creep and is resistant to wide range of chemicals, sewage and saline water. Suitable for use in areas exposed to heavy impact loads and abrasion. Excellent adhesion to concrete, steel, wood, blockwork and natural stone.

Usage
General concrete repairs where rapid curing and strength gain is required, areas exposed to chemical contact, bedding mortar for acid resistant tiles, bridge bearings, expansion joints fixing, internal lining in sewage and chemical tanks, repair of precast units and concrete pipes, repairs in car park floors and concrete pavement etc.

Properties
Form : Part A - Liquid | Part B - Liquid | Part C - Dry Powder
Fresh Density : 1950±50 kg/cm³
Compressive Strength : 80N/mm²at7days
Chemical Resistance : Resistant to wide range of acids, alkalis, salt water, sewage, petrol, diesel and solvent.
Application thickness : Horizontal Surface: 5-100mm
Yield : 50 packs per cum (20 litres pack)
GT Repoxy FF

Description
High Strength two part, solvent free epoxy repair compound and adhesive with fine filler suitable for wide range of applications on different substrates.

Usage
Repair putty for epoxy coating applications, sealing of cracks prior to resin injection, adhesive for fixing steel plates and starter bars in concrete, gap sealing. Suitable for various sealing and bonding applications in concrete, steel, natural stone, ceramics, wood etc.

Properties
Form : Part A - Viscous paste | Part B - Liquid
Color : Grey (mixed material)
Fresh Density : 1750 ± 50 kg/cm³
Compressive Strength : >70 N/mm² at 7 days
Chemical Resistance : Resistant to wide range of acids, alkalis and solvent
Application thickness : 0-5 mm
Theoretical Coverage : 10 sqm per litre at 100 microns thickness

GT Repoxy CF

Description
High Strength two part solvent free trowel applied epoxy repair compound and adhesive with medium sized fillers suitable for wide range of applications on different substrates.

Usage
Repair putty for epoxy coating applications, sealing of cracks prior to resin injection, adhesive for fixing steel plates and starter bars in concrete, gap sealing. Suitable for various sealing and bonding applications in concrete, steel, natural stone, ceramics, wood etc.

Properties
Form : Part A - Viscous paste | Part B - Liquid
Color : Grey (mixed material)
Fresh Density : 1800 kg/cm³
Compressive Strength : >60 N/mm² at 7 days
Chemical Resistance : Resistant to wide range of acids, alkalis and solvent.
Application thickness : 3-10 mm
Theoretical Coverage : 10 sqm per litre at 100 microns thickness
GT Mortar PE

**Description**
Polyester resin based fast curing repair mortar. The cured mortar exhibits high early and ultimate strengths, excellent impact, abrasion and chemical resistance. Suitable for applications in dry, wet, underwater and sub-zero temperature conditions. Flexible mixing ratio with recommended quantity of aggregates to obtain various mix consistency. Excellent adhesion to variety of substrates.

**Usage**
As a fast curing bedding and lining mortar for repair of industrial and marine structures exposed to chemicals, high impact and abrasion. Repair of corner or edge breakages in cast in-situ and precast concrete units, concrete pavement repairs, sealing of damp patches and leaking cracks, concrete and steel pipes joint sealing and repairs etc.

**Properties**
- **Form**: Part A - Liquid | Part B - Liquid | Part C - Dry Powder
- **Compressive Strength**: 1100N/mm² at 7days
- **Chemical Resistance**: Resistant to wide range of acids, alkalis, salt water, sewage, petrol, diesel and solvent.
- **Application Thickness per layer**: 5-50mm

GT Zincoat AC

**Description**
One component zinc based anticorrosion coating for steel bars in reinforced concrete structures. Suitable for use in new construction and repair works to provide a passivating coating to prevent corrosion of steel due to environmental and chemical attack.

**Usage**
Anticorrosion coating for rebars in new constructions and repair works.

**Properties**
- **Color**: Grey
- **Specific gravity**: 2.2
- **Zinc Content**: 80%
- **Drying time**: 50mints
- **Theoretical Consumption**: 5-8 sqm/litre/coat of steel surface area

Pack Size: 10 litres pack

Pack Size: 1Ltr Pack
**GT Injecto EP**

**Description**
Low viscous, solvent free epoxy resin based injection resin for sealing of cracks and gaps. Excellent adhesion to concrete, blockwork, steel, wood, natural stones and resin based chemical liners. Suitable for repair of load bearing structural elements. The cured resin exhibits high resistance to sewage and saline water, wide range of chemicals, petrol, diesel, kerosene and solvents.

**Usage**
Sealing of dry cracks in load bearing structural elements in all types of concrete structures, precast units, concrete pipes, gaps between dissimilar materials such as concrete, steel, natural stone, wood etc., anchoring and gap sealing of structural steel members.

**Properties**
- **Form**: Part A – Liquid | Part B – Liquid
- **Compressive Strength**: >90 N/mm² at 7 days
- **Chemical Resistance**: Resistant to wide range of acids, alkalis, salt water, sewage, petrol, diesel and solvent.
- **Standard Application thickness**: 0.1mm – 10mm

**Pack Size**: 1 ltr set

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**GT Injecto PU10**

**Description**
Low viscous water reactive foam forming Polyurethane Resin for arresting active water leakages through cracks, joints and gaps. With fast foaming time and high expansion rate it produces a stable closed cell structure foam when comes in contact with water and arrest water flow instantly. Suitable for use with saline and sewage water.

**Usage**
Sealing of water leakages through joints, cracks and gaps in water retaining structures, basement walls, tunnel lining, underground chambers, manholes, building roof slab, toilet, balcony kitchens, swimming pools, concrete pipes etc.

**Properties**
- **Form**: Part A – Liquid | Part B – Liquid
- **Density**: 1.1gm/ltr
- **Viscosity**: 135mPas@25degC
- **Reaction Time**: Within seconds when comes in contact with water.

**Pack Size**: 1 ltr set
GT Injecto PU20

Description
Low viscosity flexible polyurethane based injection resin for sealing of cracks, joints and gaps. Shall be used for standalone applications for sealing of damp patches, dynamic cracks or in combination with GT Injecto PU10 for arresting active water leakages. Cured resin is alkaline stable, elastic and resistant to saline and sewage water, mild acids, alkalis and solvents.

Usage
In combination with GT Injecto PU10 for sealing water leakages through joints, cracks and gaps in water retaining structures, basement walls, tunnel lining, underground chambers, manholes, building roof slab, toilet, balcony kitchens, swimming pools, concrete pipes etc., Sealing of damp patches, dynamic cracks, Expansion Joints, Injection through Reinjectable Hoses.

Properties
- Form: PartA-Liquid|PartB-Liquid
- Density: 1.1gm/ltr
- Pot Life: 70minutes@200C
- Viscosity: 70mPas@250C
- Elongation at Break: 50%
- Application thickness: 0.1-10mm

Pack Size: 1 ltr set

GT Injecto Elastogel

Description
Three component hybrid acrylate elastic gel for Injection. The low viscosity of mixed resin facilitates penetration into fine cracks and gaps and hardens to form an elastic water barrier seal. The hardened gel is hydrophilic which expands when comes in contact with water and capable of resisting high hydrostatic pressure. The hardening time shall be adjusted to suit the site conditions by changing the ratio of accelerator. The product is non toxic and environment friendly.

Usage
For sealing water leakages through joints, cracks and gaps in water retaining structures, basement walls, tunnel lining, underground chambers, manholes, building roof slab, toilet, balcony kitchens, swimming pools, concrete pipes etc., Sealing of damp patches and dynamic cracks, Expansion Joints, sealing through reinjectable hose, curtain wall injection, soil stabilization.

Properties
- Form: PartA-Base|Part A2-Accelerator|PartB-Granulate
- Density: 1.05gm/ltr
- Pot life: Adjustable
- Viscosity: 1.5-10mPas@250C

Pack Size: 30.25 kg set (Part A - 28 kg, Part A2 - 1.25 kg, Part B - 1 kg)
FLOORING PRODUCTS

GT Florcem 1000 - Polymer Modified Cement based Floor Levelling Compound
GT Florcem 5000 - High Strength Polymer Modified Cement based Floor Levelling Compound
GT Poxiflor 400 - Solvent Free Epoxy Resin based Floor Coating
GT Poxiflor 100 - Solvented Epoxy Resin based Floor Coating
GT Poxiflor SL - Solvent Free Self Smoothing Epoxy Resin Flooring
GT Poxiflor TF - Solvent Free Trowel Epoxy Screed
GT Flortop MH500 - Emery Based Dry Shake Monolithic Surface Floor Hardener
GT Flortop MH300 - Quartz Blend Dry Shake Monolithic Surface Floor Hardener
GT Flortop LH - Silicate based Liquid Applied Floor Hardener and Dustproofing Coating
GT Flortop AS - Acrylic Floor Sealer and Dustproofing Coating
GT UFlor 200 - Polyurethane Floor Coating
GT Flortop EPU - Epoxy Polyurethane Hybrid Floor Coating
GT Florcem 1000

Description
Flow applied polymer modified cement based floor levelling compound for fast levelling of floors. Supplied in a user friendly ready to use bags which requires only addition of recommended quantity of water for onsite mixing and use. Large area applications shall be carried out using a suitable pump.

Usage
Levelling of concrete floors prior to application of Tiles or Natural Stone flooring, Carpets, Rubber/Vinyl/Linoleum/Parquet flooring.

Properties
Form : Powder
Density : 1700 kg/cm³
Compressive Strength : 20N/mm² @ 28days
Curing Time : 24-48hours
Application Thickness per layer : 2-12mm
Yield : 15 litres per bag

GT Florcem 5000

Description
A fast, efficient alternative to traditional sand and cement floor screed designed for smoothing and levelling floors before installation of the final floor finishes. The product is a blend of special selected cement, aggregates and polymer additives designed for applications in areas subjected to light to medium traffic conditions. The unique formulation and high strength properties facilitates thin section applications without cracking. Large area applications shall be carried out using a suitable pump.

Usage
Levelling of floors in storage rooms, hospitals, warehouse, production areas, public buildings, workshops etc., As an underlayment for various floor finishes such as Tiles or Natural Stone flooring, Carpets, Rubber/Vinyl/Linoleum/Parquet flooring.

Properties
Form : Powder
Density : 1950±50 kg/m³
Compressive Strength : 35N/mm² @ 28days
Curing Time : 24:48 hours
Application Thickness : 10-50mm
Application Thickness per layer : 10-75mm per layer
Yield : 13.6 litres per bag

Pack Size: 25 kg bag
GT Poxiflor 400

**Description**
High build two component solvent free epoxy resin coating supplied in pre weighed quantities for easy onsite mixing and use. The cured product exhibits excellent mechanical properties and is resistant to abrasion, impact and range of chemicals. Does not release toxic vapour or odour and is suitable for use in confined areas. Heavy duty, Non Toxic, microbial growth resistant, easy to clean and maintain. Available in range of colours.

**Usage**
Hygienic coating in hospitals, pharmaceutical units, food processing areas, kitchen, restaurants. Staircases, mechanical rooms, Electrical rooms, substations, showrooms, factory floors, warehouse floor, car parks etc.

**Properties**
- **Form**: Part A - Base | Part B - Hardener
- **Compressive Strength**: 70N/mm²@7days
- **Curing Time**: 12-24 hours for light traffic. Full cure in 7days
- **Application Thickness**: 100-200microns per coat
- **Theoretical Coverage**: 5 sqm/litre/coat (200 microns dft)

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GT Poxiflor 100

**Description**
Two component solvent based epoxy resin coating supplied in pre weighed quantities for easy onsite mixing and use. The cured product exhibits excellent mechanical properties and is resistant to abrasion, impact and range of chemicals. Suitable for use in floors exposed to light to medium traffic conditions. Available in range of colours.

**Usage**
Warehouse, garage, factory floors, parking bays, staircase, electrical rooms, mechanical rooms, pump rooms, equipment service areas etc. Properties

**Properties**
- **Form**: Part A - Base | Part B - Hardener
- **Compressive Strength**: 60 N/mm² @ 7 days
- **Curing Time**: 12-24 hours for light traffic. Full cure in 7days
- **Application Thickness**: 50-100 microns per coat
- **Theoretical Coverage**: 10 sqm/litre/coat (100 microns wft)
GT Poxiflor SL

Description
Three component solvent free, self smoothing heavy duty epoxy floor toping available in range of colours. The cured product offers excellent mechanical properties and resistance to abrasion, impact and wide range of chemicals and provides impervious, easy to clean, hygienic and exceptionally smooth seamless flooring surface. Does not release toxic vapour or odour and is suitable for use in confined areas. Non Toxic, microbial growth resistant and easy to clean and maintain.

Usage
Pharmaceutical manufacturing plants, Electronic assembly plants, Hospitals, Server & Data Rooms, Warehouse and logistic centers, TV studios, Aircraft hangars, motor workshops, Retail areas, showrooms, exhibition halls, Laboratories, cleanrooms, food processing area.

Properties
Form: PartA-Base|PartB-Hardener|PartC-Powder
Compressive Strength: 70N/mm²@7days
Curing Time: 12-24hours for light traffic. Full cure in 7 days
Application Thickness: 0.5mm to 5mm
Theoretical Coverage: 40 sqm per pack at 0.5mm dft

GT Poxiflor TF

Description
Three component solvent free, trowel applied epoxy screed flooring. The components are supplied in pre weighed quantities, ready to mix and use. Extended open time allows easily application and finishing without wastage. The cured product is hardwearing, slip resistant and offers exceptional resistance to abrasion, impact loads and wide range of chemicals. Suitable for application in confined areas. Nontoxic, Microbial growth resistant and impervious to water, oil and wide range of chemicals. Suitable for standalone application with sealer coat or as an underlayment for epoxy and polyurethane floor finishes.

Usage
Loading areas, warehouse, workshops, factory floors, service corridors, ramps, car parks, kitchen and laundry areas, mechanical rooms, surfacing for steel decks, food and pharma units, hospitals, retail shops, showrooms, automobile plants and service centers et.

Properties
Form: PartA-Base|PartB-Hardener|PartC-Powder
Compressive Strength: 80N/mm²@7days
Curing Time: 2-24hours for light traffic. Full cure in 7 days
Application Thickness: 3mm to 20mm
Theoretical Coverage: 6.66 sqm per pack for 3mm thickness

Pack Size: 20 ltrs
GT Flortop MH500

**Description**
Heavy duty emery based dryshake monolithic surface floor hardener. An eco friendly blend of finely graded hard wearing aggregates, cement and special additives when applied onto the surface of fresh concrete binds monolithically and enhances the surface abrasion resistance significantly high. Eliminates dust generation, damages and wearing of surface of concrete floors due to abrasion caused by repeated movements of forklifts, trolleys and other vehicular traffic. Contains non-metallic fillers, non-rusting and provides a dense surface finish with low permeability. Suitable for exterior and interior use.

**Usage**
Factory floors, workshops, warehouse floors, external concrete pavements in factories and public areas, loading areas, car parks, ramps, commercial and industrial facilities.

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>60 N/mm² @ 28 days</td>
</tr>
<tr>
<td>Increase in Abrasion Resistance over control concrete</td>
<td>300% to 500% (varies with dosage rates and abrasion resistance of control concrete)</td>
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<tr>
<td>Abrasion Resistance at 60mins.(ASTM C779)</td>
<td>7 days - 1.07mm</td>
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<tr>
<td>Mohs Hardness</td>
<td>8</td>
</tr>
<tr>
<td>Dosage</td>
<td>3-5 kg/sqm</td>
</tr>
</tbody>
</table>

Pack Size: 25 kg bag

GT Flortop MH300

**Description**
Quartz based dryshake monolithic surface floor hardener applied to the surface of freshly laid concrete floors. Cost effective method to improve surface abrasion resistance of concrete floors and pavement to enhance service life by minimizing damages arising during usage. Eliminates dust generation, damages and wearing of surface of concrete floors due to abrasion caused by repeated movements of forklifts, trolleys and other vehicular traffic. Contains non-metallic fillers, non-rusting and provides a dense surface finish with low permeability. Suitable for exterior and interior use.

**Usage**
Factory floors, workshops, warehouse floors, external concrete pavements in factories and public areas, loading areas, car parks, ramps, commercial and industrial facilities.

**Properties**

<table>
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<tbody>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>60 N/mm² @ 28 days</td>
</tr>
<tr>
<td>Increase in Abrasion Resistance over control concrete</td>
<td>&gt;300% (varies with dosage rates and abrasion resistance of control concrete)</td>
</tr>
<tr>
<td>Abrasion Resistance at 60mins.(ASTM C779)</td>
<td>7 days - 2mm</td>
</tr>
<tr>
<td>Mohs Hardness</td>
<td>7-8</td>
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<tr>
<td>Dosage</td>
<td>3-5 kg/sqm</td>
</tr>
</tbody>
</table>

Pack Size: 25 kg bag
GT Flortop AS

**Description**
Water based acrylic concrete sealer and curing agent for sealing and dustproofing of fresh and hardened concrete floors. When applied on fresh concrete, the product retains the moisture and aids in proper hydration of cement and provides sealing action in the subsequent hardened stage. Application on hardened concrete will form a semi glossy film and functions as a sealer and dustproofing coating. Treated surface will have improved resistance to penetration of water, oil and mild chemicals. Suitable for concrete and plastered surfaces in indoor and outdoor areas. Available in clear and white colour.

**Usage**
Sealer coat for floor, wall and ceiling in buildings, factory floors, workshops, warehouse floors, external concrete pavements public areas, sealer coat on architectural finishes, exposed aggregate decorative finish on cast insitu and precast concrete.

**Properties**
- **Form**: Milky Liquid
- **Volatile Organic Content**: (USEPA24) 106g/L
- **Curing Efficiency** (ASTM C309): Pass
- **Chemical Resistance**: Oil, Saltwater, petrol, kerosene, diesel and mild chemicals.
- **Coverage Rate**: 5-8sqm/litr/coat

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GT Flortop SH

**Description**
Liquid applied concrete floor hardener and dustproofing compound suitable for application on freshly laid and old concrete floors. It reacts with the products of cement hydration resulting in densification and hardening of concrete within thus increasing the surface hardness and abrasion resistance of new and old concrete floors. Water based product, non toxic, zero VOC and eco friendly. Suitable for application by spray machine, roller or brush.

**Usage**
Factory floors, workshops, warehouse floors, external concrete pavements in factories and public areas, loading areas, car parks, ramps, commercial and industrial facilities.

**Properties**
- **Form**: Liquid
- **Chemical Resistance**: Oil, Saltwater, petrol, kerosene, diesel and mild chemicals.
- **Consumption**: 10 Sqm/litr/coat (2-3 coats recommended depending on surface porosity)

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Pack Size: 20 litres

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GT UFlor SL

Description
Self smoothing solvent free Polyurethane based heavy duty and hygienic floor topping. The cured product offers excellent mechanical strength capable of withstanding impact loads, high wear resistance, impermeable to liquids, good chemical resistance to alkalis, petroleum derivatives, acid, organic acids, salts and solutions. Safe for use in food processing industries and pharmaceutical plants. Exhibits high service temperature range and withstands thermal stresses.

Usage
Clean rooms and hygienic areas in food processing and pharmaceutical industries, cold storages & freezer rooms, areas exposed to regular steam cleaning or hot water cleaning such as kitchens, meat processing areas etc., Industrial floors, showrooms, retail marts.

Properties
- Form: ComponentA-Base|ComponentB-Hardener| ComponentC-Filer
- Compressive Strength: 60 Mpa @ 7 days
- Service Temperature Range: -15 to +145 degC
- Impact Resistance: Abrasion Resistance
- Water Permeability: (DIN1048) Nil
- Chemical Resistance: Oil, Salt water, petrol, kerosene, diesel, solvents, acid, alkalis, alcoholic & carbonated beverages, fruit juices, poultry, sea food, meat and general cleaning liquids.
- Application Thickness: 2-6mm
- Theoretical Coverage: 7.5 sqm per pack for 2mm thickness

Pack Size: 15 litres pack

GT UFlor 200

Description
Solvent free, high build polyurethane floor coating suitable for wide range of indoor applications. Protects and increases the service life of concrete floors against damages caused due to abrasion, spillage of oil, grease and wide range of chemicals. Exhibits high service temperature range, flexibility and mechanical strength compared to epoxy resin based floor coatings.

Usage
Clean rooms and hygienic areas in food processing and pharmaceutical industries, cold storages & freezer rooms, areas exposed to regular steam cleaning or hot water cleaning such as kitchens, meat processing areas etc., Industrial floors, showrooms, retail marts, overcoating on existing epoxy floors for maintenance jobs.

Properties
- Form: ComponentA-Base|ComponentB-Hardener
- Compressive Strength: 50 Mpa @ 7 days
- Adhesion to concrete: > 2Mpa
- Shore D Hardness: 70
- Water Permeability (DIN 1048): Nil
- Chemical Resistance: Oil, Saltwater, petrol, kerosene, diesel solvents, acid, alkalis, alcoholic & carbonated beverages, fruit juices poultry, sea food, meat and general cleaning liquids.
- Coverage Rate: 5sqm/ltr@200microns/dft

Pack Size: 15 litres pack
GT Flortop EPU

Description
Epoxy Polyurethane based two component hybrid coating supplied in pre weighed quantities for easy onsite mixing and use. The cured product exhibits excellent mechanical properties and is resistant to abrasion, impact and range of chemicals. Heavy duty, microbial growth resistant, easy to clean and maintain. Available in range of colours.

Usage
Staircase, mechanical rooms, Electrical rooms, substations, showrooms, factory floors, warehouse floors, car parks etc.

Properties
Form: PartA-Base|PartB-Hardener
Compressive Strength: 80N/mm²@7days
Solid Content: >95%
Service Temperature Range: -20 to +70 degC
Abrasion Resistance: <50mg weight loss
Adhesion to Concrete: >2.5Mpa
Curing Time: 12-24 hours for light traffic. Full cure in 7 days
Coverage: 5sqm/ltr@200microns/dft/pccoat

Pack Size: 5 ltrs, 20 ltrs

GULFTIGHT PRODUCT BROCHURE
PROTECTIVE COATINGS

GT Poxytop 200 - Solvent Free Epoxy Resin Coating for Concrete and Steel
GT Poxytop TE - Solvent Free Coal Tar blended Epoxy Resin Coating
GT Poxytop Hybrid - Protective Coating based on Epoxy Polyurethane blend.
GT Coat AP200 - Water based UV Resistant Acrylic Protective Coating System
GT Coat PU100 - Aliphatic Polyurethane Protective Coating
GT Coat SWR - Silicon based Water Repellent Coating for Concrete and Blockwork
### GT Poxytop 200

**Description**
Solvent free epoxy resin based protective coating for cementitious and steel surfaces. Provides a smooth, impervious and easy to clean finish. The cured coating exhibits excellent wear resistance and protects the coated surface from corrosion and harmful effects of a wide range of industrial chemicals, gases, sea water etc.

**Usage**
Protection of concrete and steel structures in industries, oil and gas plants, offshore and onshore structures, structural steel, water treatment plants, sea water intake and outfall structures. Sewage treatment plants, buried steel and concrete surfaces, protection of foundations, retaining, underground chambers, manholes etc.

**Properties**

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Part A-Base</td>
</tr>
<tr>
<td>Solid Content</td>
<td>100%</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>0 to +70°C</td>
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<tr>
<td>Abrasion Resistance</td>
<td>&lt; 50 mg weight loss</td>
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<tr>
<td>Adhesion to Concrete</td>
<td>&gt; 2.5 MPa</td>
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<tr>
<td>Curing Time</td>
<td>12-24 hours for light traffic.</td>
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<tr>
<td></td>
<td>Full cure in 7 days</td>
</tr>
<tr>
<td>Coverage</td>
<td>5 sqm/ltr @ 200 microns dft per coat</td>
</tr>
</tbody>
</table>

### GT Poxytop TE

**Description**
Solvent free coal tar extended epoxy resin based protective coating for cementitious and steel surfaces. Cost effective protective coating with high resistance to abrasion, wide range of chemicals and corrosive effects of sea water and subsoil chemicals. Suitable for application on damp concrete and acts as a dual purpose curing membrane and protective coating.

**Usage**
Foundation and retaining wall waterproofing, curing and protection of internal and external surfaces of precast and cast in situ storm water and sewage manholes, underground chambers, shafts, water tanks, pipes, protection of concrete and steel structures in industries, oil and gas plants, offshore and onshore structures, structural steel, water treatment plants, sea water intake and outfall structures.

**Properties**

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
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<tbody>
<tr>
<td>Form</td>
<td>Part A-Base</td>
</tr>
<tr>
<td>Colour</td>
<td>Black</td>
</tr>
<tr>
<td>Solid Content</td>
<td>100%</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>0 to +70°C</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>&lt; 50 mg weight loss</td>
</tr>
<tr>
<td>Adhesion to Concrete</td>
<td>&gt; 2.5 MPa</td>
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<tr>
<td>Curing Time</td>
<td>12-24 hours for light traffic.</td>
</tr>
<tr>
<td></td>
<td>Full cure in 7 days</td>
</tr>
<tr>
<td>Coverage</td>
<td>5 sqm/ltr @ 200 microns dft per coat</td>
</tr>
</tbody>
</table>
GT Poxytop Hybrid

Description
Epoxy Polyurethane Hybrid protective coating for cementitious and steel surfaces. The cured coating provides the toughness of epoxy and flexibility of polyurethane with high resistance to abrasion, wide range of chemicals and corrosive effects of sea water and subsoil chemicals. UV stable and flexible to accommodate minor substrate cracking.

Usage
Foundation and retaining wall waterproofing, curing and protection of internal and external surfaces of precast and cast in situ storm water and sewage manholes, underground chambers, shafts, water tanks, pipes, protection of concrete and steel structures in industries, oil and gas plants, offshore and onshore structures, structural steel, water treatment plants, sea water intake and outfall structures.

Properties
Form: PartA-Base | PartB-Hardener
Colour: Grey (mixed coating)
Solid Content: 100%
Service Temperature Range: 0 to +70 degC
Abrasion Resistance: < 50mg weight loss
Adhesion to Concrete: > 2.5 Mpa
Curing Time: 12-24 hours for light traffic.
Full cure in 7 days
Coverage: 5 sqm/ltr @ 200 microns dft per coat

GT Coat AP200

Description
Acrylic based protective and decorative coating for protection of above ground concrete structures against aggressive corrosive effects of air borne salts, gases and moisture. The coating system comprise of a penetrating silane siloxane primer to seal the internal pores and capillaries in concrete and an elastomeric aliphatic acrylic top coat. The cured coating is flexible to accommodate substrate cracking, UV resistant, protects reinforced concrete structures against carbonation and chloride attack, good water vapour transmission rate and achieves excellent adhesion on cementitious substrate. Eco friendly, Low VOC and available in wide range of colours.

Usage
Protection of above ground exposed concrete surfaces such as bridges, culverts, marine structures, pipe racks, industrial structures exposed to aggressive environment, external surface of water tanks, reservoirs and water treatment structures. As a decorative and protective coating for building façade, domes and precast architectural units.

Properties
Form: Liquid
Solid Content by weight: 65%
Adhesion to Concrete: > 1.0 Mpa
Reduction in Chloride Ion Penetration: > 95%
Reduction in Water Absorption: > 90%
Tear Resistance: 16 N/mm
Crack Bridging Capacity: 2 mm
Coverage: 5 sqm/ltr @ 200 microns dft per coat
GT Coat PU100

Description
Two component Aliphatic Polyurethane based protective coating for concrete, steel and timber surface. Suitable as a standalone coating with primer or as an UV protection layer on epoxy coatings. Excellent resistance to long term weathering, UV radiations, corrosive atmospheric gases, organic and inorganic acids, alkalis, petroleum products, specific solvents, waste water, sea water etc. Can be applied on floors, walls & roof in internal and external areas. Available in clear and wide range of colours.

Usage
Cement-based substrates, e.g. concrete, cement-mortars or asbestos cement, steel surfaces, On existing epoxy floor and wall coatings, industrial structures, warehouses, laboratories, hospitals, wine factories, slaughterhouses, canned food factories, garages, car workshops, car parks etc.

Properties:
- Form: Component A - Base, Component B - Hardener
- Solid Content by weight: 55%
- Adhesion to Concrete: >1.5 Mpa
- Pot Life: 1.5 hous @ 30 deg C
- Full cure: 3 days @ 35 deg C
- Coverage: 10 sqm/ltr @ 100 microns wft per coat

Pack Size: 20 ltrs & 5 ltrs

GT Coat SWR

Description
A solvent based non staining, penetrating silane-siloxane coating capable of penetrating into porous substrates and then reacts to produce a bonded water repellent lining. The product is suitable for internal and external use and protects the coated surfaces from effects moisture, UV rays and corrosive atmospheric gases.

Usage
Architectural concrete, exposed brick and masonry works, bridges and flyovers, Premixed renders, plaster and cement based repair materials, Concrete Tiles, Natural stone surfaces such as marble, granite, sandstone etc., Protection of concrete surfaces in marine environment. Application by brush, roller or airless spray machine.

Properties:
- Form: Liquid Colour: Pale Yellow
- Service Temperature: -5 to 90 deg C
- Specific Gravity: 0.85+0.01 @ 25 degC
- Drying Time: 3-6 hours
- Coverage: 5-8 sqm/ltr/coat (varies with substrate porosity)

Pack Size: 20 ltrs & 5 ltrs
JOINT SEALANTS

GT Seal PU  - One Component Moisture Curing Polyurethane Sealant
GT Seal PS  - Gun Grade and Pourable Grade Polysulphide Sealant
GT Seal AS  - Acrylic Joint Sealant
GT Seal PU

Description
A one component moisture curing Polyurethane Sealant with excellent UV resistance. The sealant cures by reacting with moisture in the atmosphere to form a tough and flexible seal capable of accommodating joint movements. Suitable for sealing and bonding similar and dissimilar construction materials such as concrete, steel, aluminum, glass, wood, ceramics etc.

Usage
Sealing of construction and expansion joints in concrete, sealing between dissimilar materials such as concrete-glass, glass-aluminum, concrete-steel etc., sealing of joints in roofing sheets, precast units, metal drains, around pipe penetrations etc.

Properties:
Form : Viscous Paste
Movement
Accommodation Factor (MAF) : 25%
Shore A Hardness : 25
Elongation : >500%
Service Temperature Range : -30degC to 120degC
Colours : Grey, White, Sandstone, Beige (other colours available on request)

Pack Size: 600ml Sausage

GT Seal PS GG

Description
High performance, non sag, chemical and water resistant two part Gun Grade Polysulphide Joint Sealant. The cured sealant is resistant to UV and thermal stresses and provides a flexible seal capable of accommodating joint movements. It can exhibit excellent adhesion to steel and concrete.

Usage
Sealing of Expansion and construction joints in concrete in buildings, water retaining structures, highway structures, marine structures etc.,

Properties
Colour : Grey (mixed material)
Density : 1.65kg/ltr
Service Temperature Range : -40 to 90 degC
Movement
Accommodation Factor : 25
Shore A Hardness : 25
Application width : 5-50mm

Pack Size: 2.5 litres
GT Seal PS PG

**Description**
High performance chemical and water resistant two part pouring grade Polysulphide Joint Sealant. The cured sealant is resistant to UV and thermal stresses and provides a flexible seal capable of accommodating joint movements. It can exhibit excellent adhesion to steel and concrete.

**Usage**
Sealing of horizontal expansion and construction joints in concrete floor slabs and pavements.

**Properties**
- Colour: Grey (mixed material)
- Density: 1.65 kg/ltr
- Service Temperature Range: -40 to 90 deg C
- Movement Accommodation Factor: 25%
- Shore A Hardness: 25
- Application width: 5-50mm

GT Seal AS

**Description**
One-component universal acrylic sealant suitable for filling cracks and joints both indoors and outdoors. It is a cost-effective plastic-elastic sealant ideal for sealing static joints and cracks. The cured sealant is overpaintable with compatible paints.

**Usage**
Sealing of Saw cut crack control joints in concrete and screed, separation joint between plaster and concrete, cracks on concrete and plaster before overpainting, around window and door frames.

**Properties**
- Colour: Variety of colours
- Density: 1.62 + 0.03 kg/ltr
- Service Temperature Range: -10 to 80 deg C
- Elongation: 100%
- Shore A Hardness: 40-70
- Application width: 5-25mm
ADHESIVES

GT Bond SBR - SBR based Bonding Agent and Additive
GT Bond AR - Acrylic based Bonding Agent for Repair Mortar
GT Bond EP - Epoxy Resin based Concrete Bonding Agent
GT Tilefix GP - General Purpose Tile Adhesive
GT Tilefix Flex - High Performance Tile Adhesive
GT Tilefix 2C Latex - Two Component Latex based Tile Adhesive
GT Tilefix TS - Thick Bed Tile Adhesive
GT Tilegrout GP - General Purpose Tile Grout
GT Tilegrout Premium - High Performance Tile Grout for Wide Joints
GT Tilefix EP - Epoxy Resin based Tile Adhesive and Grout
GT Tilegrout EP - Epoxy Resin Based Pigmented Tile Adhesive and Grout
GT Bond SBR

**Description**
Styrene Butadiene Rubber based bonding agent and additive for concrete and plaster. Supplied as a one component white coloured liquid for direct addition to concrete and mortar to improve properties such as Bond Strength, Crack resistance, Water Resistance etc.,

**Usage**
Bonding agent for concrete, levelling screed and plaster. Modifier for concrete and mortar used for repair works. Waterproof plaster in wet areas, swimming pools, water tanks etc., Adhesive for Insulation boards. Primer and bonding agent for tiling works in cementitious surface, gypsum board, cement boards etc.

**Properties**
- **Color**: White milky liquid
- **Density**: 1.01 + 0.005 kg/lt
- **Consumption**: Bonding Agent - 3 to 8 sqm per litre
- **Additive**: 5% to 10% by weight of cement

Pack Size: 5 ltr, 20 ltr & 200 ltrs

GT Bond AR

**Description**
Acrylic bonding agent for repair materials, plasters and screed. Effective as curing membrane on finished repair mortar and screed.

**Usage**
Repair mortar, floor screed, plasters.

**Properties**
- **Color**: White milky liquid
- **Density**: 1.01 + 0.005 kg/lt
- **Consumption**: 3 to 8 sqm per litre

Pack Size: 5 ltr, 20 ltr & 200 ltrs

GT Bond EP

**Description**
High performance Epoxy Resin based concrete bonding agent. Supplied in two component packing with pre weighed quantities of base and hardener to easy mixing and use. The product is formulated to have extended open time to aid applications in large areas and use with formworks.

**Usage**
Bonding agent for structural concrete for new construction and concrete repair works, bonding coat for successive concrete casting, barrier coat to prevents ingress of chloride ions from unrepaired areas to repaired areas in concrete repair works.

**Properties**
- **Form**: Two component liquid | (Part A + Part B)
- **Pot Life**: 60 N/mm² @ 7 days
- **Compressive Strength**: 60 N/mm² @ 7 days
- **Bond Strength**: (ASTM D4541) Greater than cohesive strength of base concrete.
- **Standard Compliance**: ASTM C 881 type I, II, III, IV and V
- **Consumption**: 4-5 sqm/litre/coat

Pack Size: 5 ltr
GT Tilefix GP

**Description**
A cement based pre mixed tile adhesive for horizontal and vertical applications on concrete and mortar surfaces. It exhibits excellent bonding properties to cementitious & gypsum board substrates. The product is supplied as a factory blended powder consisting of cement, adhesion enhancing polymers, graded fine aggregates, water retention agent and rheology modifier which requires only addition of water to produce a easily trowellable pasty mix. Available in grey and white colours.

**Usage**
Bonding of ceramic tiles on floor and wall, Fixing of tiles on gypsum surface, Large vitrified tiles on floor.

**Properties**
- **Form**: Powder
- **Colour**: Grey & White
- **Standard Compliance**: EN12004 C1T | BS 5980 Class AA, Type 1
- **Application Thickness**: 2-4 mm
- **Theoretical Coverage**: 8-9 sqm/bag for 2mm thickness

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GT Tilefix Flex

**Description**
High performance cement based pre mixed tile adhesive for horizontal and vertical applications. Flexible with high adhesion strength for fixing of large vitrified tiles, natural stone tiles, porcelain tiles on horizontal and vertical surfaces. Supply as a preblended powder comprising of cement, fillers and high grade polymer additives ready for mixing with water at site. Suitable for application in thickness ranging from 2-10mm.

**Usage**
Bonding of ceramic, vitrified, porcelain and natural stone tile in internal and external surfaces of building, bathroom, kitchen, balconies, swimming pools, water features, on gypsum and cement particle boards. Fixing on glass mosaic and synthetic stone tiles etc. Suitable for dry and permanently immersed conditions.

**Properties**
- **Form**: Powder
- **Colour**: Grey & White
- **Density**: 1700 kg/m3
- **Standard Compliance**: EN12004 C2TE S1
- **Application Thickness**: 2-10 mm
- **Theoretical Coverage**: 8-9 sqm/bag for 2mm thickness
GT Tilefix 2C Latex

Description
Two component latex modified cement based tile adhesive with high polymer content for heavy duty and load bearing applications. It offers excellent slip resistance and extended open time for fixing large format tiles in horizontal and vertical areas. Supplied as two component product with the powder component containing cement and graded fillers and a liquid polymer component for ready to mix and use. Available in grey and white colours.

Usage
Bonding of large format tiles on floor and walls. Suitable for fixing ceramic, vitrified, porcelain and natural stone tiles. Ceramic tiles on concrete, plaster, gypsum and plaster boards, swimming pools, kitchen, bathroom, water features, water tanks etc. Can be used in dry, permanently immersed, indoor and outdoor areas.

Properties
Form: Part A - Powder | Part B - Liquid Polymer
Colour: Grey & White
Fresh Density: 1750 kg/cm³
Open Time: Minimum 30 minutes
Pot Life: 120 minutes @ 25 deg C
Standard Compliance: EN12004 C2TE | ANSI A118.4
Application Thickness: 2-6 mm
Theoretical Coverage: 7 sqm/bag for 2mm thickness

Pack Size: 25 kg bag

GT Tilefix TS

Description
Cement based one component thick bed tile adhesive supplied as preblended mix of cement, graded filler and special polymer additives ready for mixing with water at site prior to use. Dual purpose levelling mortar and tile adhesive which obviates the need for levelling undulated concrete surface for fixing tiles. The mixed material is a easily trowellable mix with an application thickness range of 10-25mm on horizontal surface. It offers excellent bond strength, open time and slip resistance. Available in grey and white colours.

Usage
Surface levelling and fixing of ceramic, vitrified and natural stone tiles on horizontal and vertical areas, fixing of thick natural stone tiles. Suitable for use in building, factory floors, walkways, pavement in public areas, motorways, stone pitching works etc.

Properties
Form: Powder
Colour: Grey & White
Fresh Density: 1900 kg/m³
Open Time: 20-30 minutes
Pot Life: 20 minutes @ 25 deg C
Standard Compliance: EN12004 C1T
Application Thickness: 5-25 mm

Pack Size: 25 kg bag
GT Tilegrout GP

Description
Polymer modified cement based water resistant tile grout. Available in wide range of colours for filling gaps of width ranging from 2-6mm in tiles and natural stone works. The cured grout offers excellent resistance to water, fungal growth, and good resistance to abrasion. Suitable for use in dry and immersed conditions.

Usage
Filling of joints in all types of tiles and natural stone works in buildings, wet areas such as kitchen, laundry, bathroom, industrial buildings, swimming pools, water tanks etc.

Properties
Form: Powder
Colour: Various Colours
Fresh Density: 1700 kg/m³
Compressive Strength: 15 Mpa @ 28 days
Working Time: Working Time: 30 minutes
Standard Compliance: EN13888 CG1
Yield: 18.25 litres per bag

Pack Size: 25 kg bag

GT Tilegrout Premium

Description
Premium grade polymer modified cement based tile grout. Cured grout offers excellent adhesion, non shrink, waterproof, and resistance to cracking, abrasion and fungal growth. Can be applied in joins of width ranging from 2-15mm. Suitable for use in dry and immersed conditions.

Usage
Filling of joints in all types of tiles and natural stone works in buildings, wet areas such as kitchen, laundry, bathroom, industrial buildings, swimming pools, water tanks etc.

Properties
Form: Powder
Colour: Various Colours
Fresh Density: 1600 kg/m³
Compressive Strength: 18 Mpa @ 28 days
Working Time: 30 minutes
Standard Compliance: EN13888 CG2
Yield: 19.20 litres per bag

Pack Size: 25 kg bag
GT Tilefix EP

Description
Three component solvent free epoxy based tile adhesive and grout. Designed for use in areas requiring exceptional durability, resistance to microbial growth and chemicals. Supplied in pre weighed quantities of base, hardener and graded filler for easy onsite mixing and use. The mixed material offers trowellable pasty consistency mix with extended open time for horizontal and vertical surface applications. Suitable as tile adhesive and grout for all types of tiles, natural stones and concrete tiles.

Usage
Clean rooms in hospitals, laboratories, food processing areas, kitchen, pharmaceutical plants, commercial and residential buildings, industrial units. Fixing of acid resistant tiles in battery rooms and other areas exposed to chemicals spillages.

Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Component A - Base</th>
<th>Component B - Hardener Component</th>
<th>C - Powder</th>
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</thead>
<tbody>
<tr>
<td>Fresh Density</td>
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<tr>
<td>Compressive Strength</td>
<td>50 Mpa @ 7 days</td>
<td></td>
<td></td>
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<tr>
<td>Temperature Range</td>
<td>-20 to 70 deg C</td>
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<td></td>
</tr>
<tr>
<td>Open Time</td>
<td>40 minutes @ 30 deg C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Compliance</td>
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<tr>
<td>Coverage</td>
<td>10 sqm per pack at 2mm thickness</td>
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</tr>
</tbody>
</table>

GT Tilegrout EP

Description
Three component solvent free epoxy based pigmented tile grout for filling joints in all types of tile and natural stone works. The cured grout is waterproof and offers excellent resistance to pedestrian and vehicular movements, staining, microbial growth and wide range of chemicals. Durable with long service life. Available in wide range of colours.

Usage
Filling of joints in ceramic, porcelain, stone and glass mosaic tiles in clean rooms in hospitals, laboratories, food processing areas, kitchen, pharmaceutical plants, commercial and residential buildings, industrial units. Joint filling of acid resistant tiles in battery rooms and other areas exposed to chemicals spillages.

Properties

<table>
<thead>
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<tr>
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</tr>
<tr>
<td>Standard Compliance</td>
<td>EN13888 RG</td>
<td></td>
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</tr>
</tbody>
</table>

Pack Size: 5 litres pack

Pack Size: 10 ltrs pack
WATERPROOFING PRODUCTS

GT Proof AC - Two Component Polymer Modified Elastomeric Cementitious Waterproofing Coating
GT Proof PU-1C - Polyurethane based One Component Liquid Applied Waterproofing Membrane
GT Proof PU-1C (T) - Polyurethane based Two Component Liquid Applied Waterproofing Membrane
GT Polyurea AR - Spray Applied Polyurea based Waterproofing and Protective Coating
GT PVC Waterstop - PVC Waterstop Profiles for Construction and Movement Joints
GT Swellbar HD - Heavy Duty Swellable Waterbar
GT Pilegrount C - Cement based Piletop Repairing and Reprofiling Grout
GT Pilegrount EP - Epoxy resin based High Strength Piletop Waterproof Grout
GT Proof BE60 - Bitumen Emulsion Coating
GT Proof RBE - Rubberized Bitumen Emulsion Coating
GT Proof SB - Solvented Bitumen Coating
GT Proof TPU - Pitch Extended Polyurethane based Liquid Applied Waterproofing Membrane
GT Primer SB - Solvent based Bitumen Primer for Waterproofing Membranes and Coatings
GT Primer WB - Water based Bitumen Primer for Waterproofing Membranes and Coatings
GT Proof AC

Description
Two component flexible cementitious waterproofing coating. The product is supplied as a two component material comprising of pre proportioned quantities of Powder (Part A), a mixture of cement, aggregates and special additives and a latex polymer liquid component (Part B), which are ready to mix and use at site. The cured coating will form a tough and elastic crack resistant waterproofing membrane.

Usage
Waterproofing of roofs, wet areas, water features, water tanks, sump pit, balconies etc., Damp proof coating on block work and plastered surface, Sealer coat on natural stones, Waterproofing coating for gypsum/cement boards, sealing of surface cracks on concrete and plaster.

Properties
Form : Part A - Grey Powder  
Part B - White Liquid  
Colours : Grey, White  
Tensile Strength : 1 Mpa  
Water Pressure Resistance : 5 bar  
Standard Coverage : 6 Sqm/pack/for 2mm thickness (2 coats)

GT Proof PU-1C / GT Proof PU1C (T)

Description
A highly elastic ready to use one component liquid applied Polyurethane Waterproofing Membrane for various waterproofing and corrosion protection application on concrete, masonry, steel and wooden surfaces. The cured coating will form a tough and highly elastic seamless waterproofing membrane with excellent UV resistance. Available in thixotropic grade (GT Proof PU1C (T)) for vertical surface applications.

Usage
Roof Waterproofing (Exposed and covered applications), waterproofing of balconies, domes, podiums, pre coated roofing sheets, metal drain etc., Wet Areas Waterproofing, Crack sealing coating on concrete and plaster.

Properties
Form : Liquid  
Colours : Grey, White (other colours available on request)  
Elongation : 600%  
Tensile Strength : 8 N/mm2  
Service Temperature : -30 to 90 deg C  
Standard Coverage : 1.4 kg/Sqm for 1mm thickness.
**GT Proof PU-2C**

**Description**
Two component Elastomeric Polyurethane Waterproofing Membrane. The cured membrane is resistant to UV and is suitable for applications in areas exposed to pedestrian & light vehicular traffic and moderate chemical exposure.

**Usage**
Roof Waterproofing (Exposed and covered applications), waterproofing of balconies, domes, podiums, pre coated roofing sheets, metal drain etc., , Waterproofing and wearing course in wet areas such as kitchen, laundry, bathroom, toilets etc, Suitable for swimming pool, water tanks and water features.

**Properties**
- **Form**: Part A – Viscous Liquid | Part B – Liquid
- **Colours**: Various
- **Density**: 1.40 + 0.05
- **Service Temperature**: -30 to 120 deg C
- **Standard Coverage**: 1.4 kg/Sqm for 1mm thickness.

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**GT Polyurea AR**

**Description**
GT Polyurea AR is very fast set, 2-component, 100% solid flexible aromatic polyurea coating designed to protect and coat concrete, metal, wood, ceramic, geotextile surfaces. The product reacts within seconds and once cured, leaves a flexible, durable, tough surface. It’s extremely fast gel time makes it suitable for applications down to -20 °C. The product is relatively moisture and temperature insensitive, allowing application in the most problematic ambient conditions. The material must be applied utilizing high pressure, heated plural component spray proportioning equipment.

**Usage**
Waterproofing of below grade structures such as basement, tunnels, tanks, pipelines etc. Roof waterproofing, Waterproofing of car parks and other areas exposed to vehicular traffic, wearing course on factory floors, chemical containments, sea water intake and outfall structures, Protective coating for concrete and metal surfaces in Oil, Gas and Petrochemical Industry etc.

**Properties**
- **Form**: Part A – Liquid | Part B – Liquid
- **Colours**: Grey
- **Elongation**: >350%
- **Shore A Hardness**: 90-95
- **Bond Strength Concrete**: >2.5 Mpa
- **Steel**: >6 Mpa
- **Service Temperature**: -30 to 90 deg C
- **Standard Coverage**: 1ltr/Sqm for 1mm thickness.
GT Pilegrout C

**Description**
Ready to use cement based grout for repair and reprofiling of pile caps prior to carrying out waterproofing system application. The product is designed to have low water permeability and high mechanical strength. The high flow characteristics provides a smooth and even surface finish for subsequent waterproofing system application.

**Usage**
Repair and reprofiling of damaged pile caps, general purpose concrete repairs, void filling, core hole filling, tower crane baseplate and bolt pocket filling.

**Properties**
- **Form**: Powder
- **Compressive Strength**: 70 N/mm² @28 days
- **Water Permeability**: Low
- **Application Thickness**: 30 - 250mm
- **Yield**: 12.5 to 13 litres per bag

GT Pilegrout EP

**Description**
Epoxy resin based waterproof pile top encapsulation grout with excellent adhesion to steel and concrete. A three component product comprising of preweighed quantities of base, hardener and filler for easy on site mixing and use. An effective barrier against ground water and corrosive subsoil chemicals and prevents passage of ground water through steel rebar ribs. The cured grout exhibits high mechanical strength and creep resistance. Suitable for use in conjunction with cement based pile top reprofiling grout.

**Usage**
Waterproof encapsulation layer on pile caps, base plate and bolt pocket grouting. Tower Crane and Rail grouting.

**Properties**
- **Form**: Base – Liquid Hardener – Liquid Filler - Powder
- **Compressive Strength**: 80 N/mm²
- **Water Permeability**: Nil
- **Seawater Resistance**: Excellent
- **Bond Strength**: >3 Mpa
**GT PVC Watetstop**

**Description**
PVC Waterstop profiles for Expansion and Construction joints in concrete extruded from high grade PVC for long lasting flexibility and durability.

GT PVC ICJ - Construction Joint Internal Profile
GT PVC ECJ - Construction Joint External Profile.
GT PVC IEJ - Movement Joint Internal Profile.
GT PVC EEJ - Movement Joint External Profile.

**Usage**
Sealing of Expansion and Construction joints in concrete structures.

**Properties**
- **Form**: Rolls
- **Colours**: Blue, Black
- **Elongation**: >300%
- **Tensile Strength**: >14 Mpa
- **Shore D Hardness**: 40-50
- **Thickness**: Standard profile: 3-4mm; Heavy Duty: 8-10mm
- **Service Temperature Range**: -30 to 70 deg C
- **Volume Swelling**: Saline Water: min. 200%; Tap Water: min. 400%
- **Chemical Resistance**: Sea water, Sewage water, Mild acids and Alkalis

**Pack Size:**
Length: 12 mtrs Width: 150mm, 200mm, 250mm, 300mm & 330mm

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**GT Swellbar HD**

**Description**
A high performance sealing strip based on special polymer and hydrophilic additives capable of swelling when comes in contact with water which imparts positive pressure on joint faces to form an effective water barrier seal. It is suitable for use in contact with potable, saline and sewage water. During absence of water the product will shrink back to its original dimension and re-expand on wetting.

**Usage**
Sealing of joints and penetrations in concrete such as construction joints, pipe penetrations, steel beams, steel plates etc., in below grade structures, Sealing around pile caps, joints between precast units, tunnel segments, shafts etc., Joints subjected to high hydrostatic pressure in water retaining structures such as tanks, potable water and irrigation reservoirs, waste water treatment structures etc., In conjunction with other joint sealing systems such as PVC waterstops or Injection Hoses to enhance water tightness of joints in critical areas.

**Properties**
- **Form**: Rolls
- **Colours**: Blue, Black
- **Elongation**: >300%
- **Tensile Strength**: >14 Mpa
- **Shore A Hardness**: 80-90
- **Thickness**: Standard profile: 3-4mm; Heavy Duty: 8-10mm
- **Service Temperature Range**: -30 to 70 deg C
- **Hydrostatic Pressure Resistance**: 8 bars (80 m water head)
- **Chemical Resistance**: Sea water, Sewage water, Mild acids and Alkalis

**Roll Size**: 20mmx10mmx5mtr
GT Proof BE60

Description
Water based cold applied bitumen emulsion coating suitable for wide range of protection application on concrete, plaster, metal and block-work. It is an odourless stable one component emulsion cures to form a barrier film and prevents ingress of moisture and corrosive gases into the coated surface and is suitable for use as damp proof and vapour-seal membrane. Can be applied on fresh concrete as curing membrane.

Usage
As a general purpose damp proofing and water barrier coating on concrete, blockwork, plaster, precast units, concrete tiles etc., Foundation Protection, External coating on manholes, underground chambers, MSE Walls on bridges.

Properties
- Form: Brown Liquid
- Bitumen Content: 55 ± 5%
- Specific Gravity: 1.05
- Drying Time: 2-4 hours
- Curing Efficiency: ASTM C309: Pass
- Service Temperature: 5 to 80 deg C
- Chemical Resistance: Resistant to subsoil chemicals, and sea water.
- Theoretical Coverage: 3-5 sqm/litre

GT Proof RBE

Description
Cold applied, rubberized bitumen emulsion waterproofing and protective coating for concrete, plaster and blockwork. An odourless tough flexible coating capable of sealing surface cracks with excellent resistance to water, corrosive gases and subsoil chemicals. Suitable for application as damp proof and vapour-seal membrane. Can be applied on fresh concrete as curing membrane.

Usage
Waterproofing coating on concrete, plaster and blockwork, vapour barrier coating on blockwork on building facades behind curtain wall, dual purpose waterproofing coating and curing membrane on fresh concrete, as an adhesive for wood blocks and wood mosaics, insulation board, expanded polystyrene and cork tiles and to provide a key for plastering.

Properties
- Form: Brown Liquid
- Solid Content: 55 ± 5%
- Rubber Content: 10%
- Specific Gravity: 1.05
- Drying Time: 2-4 hours
- Curing Efficiency: ASTM C309: Pass
- Chemical Resistance: Resistant to subsoil chemicals, and sea water.
- Theoretical Coverage: 3-5 sqm/litre

Pack Size:
- GT Proof BE60: 20 ltrs, 200 ltrs drum
- GT Proof RBE: 20 ltrs, 200 ltrs drum
GT Proof TPU

**Description**
High performance coal tar extended one component moisture curing liquid applied Polyurethane waterproofing membrane. It forms a tough, seamless continuous waterproofing membrane with excellent elongation characteristics capable of accommodating substrate cracking and preserving water tightness. It achieves excellent adhesion with concrete, blockwork, metal and cement boards. Suitable for application on damp concrete as curing membrane. Complies with BS3416 for use in contact with potable water. Protects metal surfaces against corrosion.

**Usage**
Waterproofing of below ground structures such as foundations, retaining wall, underground sumps and chambers, water tanks, septic tanks. Waterproofing of planter boxes, podium decks, bridge decks, landscaped areas, roof slab, wet areas, balconies, car park decks etc.

**Properties**
- **Form**: Black Liquid
- **Solid Content**: >90%
- **Specific Gravity**: 1.15
- **Service Temperature Range**: -20 to 80 deg C
- **Elongation**: 600%
- **Tear Strength**: >10 N/mm
- **Static Crack Bridging**: >3mm
- **Drying Time**: 24-48 hours
- **Chemical Resistance**: Resistant to subs oil chemicals, and sea water, petroleum products, mild acids and alkalis.
- **Theoretical Coverage**: 1.3 kg/sqm for 1mm thickness

Pack Size: 20 ltrs
GT Primer SB

Description
Ready to use single component cold applied solvent based bitumen primer for preformed bitumen waterproofing membranes and liquid applied membranes. Low viscosity formulation containing special grade of bitumen and solvents with excellent penetration, quick drying properties and superior tackiness to enhance adhesion of bitumen waterproofing systems with the substrate. Suitable for application on cementitious substrate, metal, asbestos sheet, wood, and natural stone surface for surface sealing of pores and enhancing adhesion. Can be applied on damp concrete.

Usage
Primer and sealer coat for bitumen waterproofing membrane and liquid applied waterproofing membrane. Can be used as standalone protection and moisture barrier coating on concrete, plaster, block work and metal surfaces.

Properties
Form : Black Liquid
Solid Content : >50%
Specific Gravity : 0.90+0.5
Viscosity : 0.80-0.90 poise
Adhesion to Concrete : Excellent
Flash Point : Min. 50 deg C
Chemical Resistance : Resistant to sub soil chemicals, and sea water, petroleum products, mild acids and alkalis.
Theoretical Coverage : 3-6 sqm/litre

GT Primer WB

Description
Cold applied water based bitumen primer for bituminous waterproofing membranes and liquid applied coatings. Environment friendly, contains no hazardous volatile compounds, safe to handle and use. Suitable for application on concrete, plaster, asbestos roofing sheets, wooden substrate. High tackiness and quick drying properties to enhance adhesion of waterproofing membrane and coatings. Can be used as a standalone protective and dampproofing coating. Can be applied on damp concrete.

Usage
Primer coat for bitumen waterproofing membrane and liquid applied waterproofing membrane. Damp proof and vapour barrier coating on concrete and blockwork.

Properties
Form : Brown Liquid
Solid Content : >55%
Specific Gravity : 1.01
Viscosity : 6 poise
Tackfree Time : 45 - 60 minutes
Curing Efficiency (ASTM C309) v : Pass
Theoretical Coverage : 3-6 sqm/litre
DISCLAIMER

The information provided in this product catalogue is given in good faith and believed to be reliable to the best of our knowledge. However, it does not guarantee the optimum utility of the product always.

Products coverage/dosage rates mentioned are theoretical and may vary based on site conditions. Trials shall be carried out to ascertain actual coverage or dosage rates.

ASAS is exempted from all legal liability in case of accidents or injury incurred from product handing without appropriate technical precautions, failure of product(s) and application due to inappropriate use of products or improper handling and storage conditions.

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