Acrylic polymer modified elastomeric waterproofing membrane coating for concrete and masonry surfaces

**Uses**

Brushbond provides a seamless, waterproof coating suitable for use in water tanks, reservoirs, swimming pools, roofs and to ensure water tightness.

Brushbond effectively protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases.

Brushbond is designed to re-face and even out variations in concrete and masonry surfaces.

Brushbond effectively seals concrete masonry walls and bridges the shrinkage cracks which are static.

Brushbond provides a tough and durable coating which cannot be easily damaged or worn away.

**Advantages**

- Minimum surface preparation needed - Low labour costs.
- Applied directly to the damp concrete and masonry
- Excellent adhesion - Bonds to porous and nonporous surfaces.
- Non-toxic-ideal for potable water tanks
- Waterproof - Excellent for damp-proofing basements
- Breathable-allows transmission of water vapour from interior of building
- Excellent for concrete roof, leaking brick and masonry walls
- Good resistance to Carbon dioxide and Chloride ion diffusion

**Description**

Brushbond is a two component acrylic polymer modified elastomeric waterproofing membrane which consists of Brushbond powder and Nitobond BB acrylic emulsion. It requires only the addition of water on site and when mixed in the proper proportions, an easily brushable coating is produced. Brushbond can simply be applied by a stiff brush, or trowel to obtain the desired thickness.

Brushbond powder consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder and Nitobond BB liquid component of blended acrylic copolymers.

The polymer provides Brushbond with exceptional adhesion, toughness and durability.

**Technical Support**

The company provides a technical advisory service supported by a team of specialists in the field.

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot life</td>
<td>30 min. at 27°C</td>
</tr>
<tr>
<td>Mixed Density</td>
<td>1.85-1.95 g/cc. (brushable consistency)</td>
</tr>
<tr>
<td>Colours</td>
<td>Grey and white</td>
</tr>
<tr>
<td>Application temperature</td>
<td>Not less than 10°C</td>
</tr>
<tr>
<td>Toxicity</td>
<td>Non-toxic</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>&gt;1N/mm²</td>
</tr>
</tbody>
</table>

Brushbond provides an elastomeric protective waterproof coating and is shown to resist positive hydrostatic pressure upto 7 meter head. The degree of resistance of Brushbond to water under pressure depends on the coating thickness. Areas subjected to moderate and heavy loads/hydrostatic pressure. minimum 2mm thickness coating is recommended with screed above.

**Application Instructions**

**Preparation**

All the surfaces which are to receive Brushbond, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Renderoc System.

**Mixing**

Nitobond BB is poured into a plastic or metal drum. To this, an equal volume of clean fresh water is added, for brush application consistency. Then mixing is started with a slow speed drill (350-450 rpm). The powder component is added gradually to the liquid avoiding lump formation and mixed for 2-4 minutes. Mix and use. More material should not be mixed than can be used within pot life. Retempering with water should not be done. Keep on stirring during application.

**Mixing Ratio**

<table>
<thead>
<tr>
<th>Brushbond Components</th>
<th>Indl.pack</th>
<th>Small pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder</td>
<td>23 kg</td>
<td>6 kg</td>
</tr>
<tr>
<td>Nitobond BB</td>
<td>4 L</td>
<td>1 L</td>
</tr>
<tr>
<td>Water</td>
<td>4 L</td>
<td>1 L</td>
</tr>
</tbody>
</table>

**Application**

For best results moisten the surface before coating with Brushbond. Apply the mixed material using a short, stiff bristle brush preferably 100 to 150mm width like a paint. Trowel applications can be undertaken as necessary using the correct mixing ratio to obtain satisfactory consistency.
Brushbond shall be applied in two coats to achieve 1mm thickness. The second coat of Brushbond shall applied as soon as the first coat has reached touch dry state.

On hot substrates, i.e., over 40°C surface temperature, a primer coat of mixed Brushbond and water with a slurry like consistency should be applied. Prime only areas that can be coated with Brushbond before the primer dries. Material should not be applied at temperatures below 10°C. It is recommended that for general re-surfacing the total thickness of the applied material be 1 to 2 mm.

Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above.

Allow the Brushbond to dry before covering with screed. Sprinkle coarse sand on wet surface of final coat for better adhesion of screed.

Average drying time is 4 to 6 hours at normal temperatures.

Subsequent Finishes
Brushbond provides an aesthetically pleasing surface finish texture depending on the method of application, and does not normally require any further surface finishes.

Brushbond is however compatible with most forms of subsequent coatings.

Cleaning
Brushbond should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

Estimating

Packaging
Brushbond powder is supplied as a package of 23kg (Industrial Pack) and 6kg powder. Nitobond BB is supplied in 4 litres and 1 litre jerry can.

Coverage
This depends on the required consistency. The approximate coverage per pack at even consistency (1 mm thickness) is as follows:

<table>
<thead>
<tr>
<th>Consistency</th>
<th>Brush Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage in m²</td>
<td></td>
</tr>
<tr>
<td>(23kg + 4lit pack)</td>
<td>16 - 18</td>
</tr>
<tr>
<td>(6kg + 1lit pack)</td>
<td>4 - 4.5</td>
</tr>
</tbody>
</table>

Allowances should be made for any possible wastages when estimating.

Storage
Brushbond has a shelf life of 9 months in unopened packs, if kept in a dry store. In high humidity locations, the shelf life may be reduced to less than 6 months. Prevent Nitobond BB from freezing.

Precautions

Health and Safety instructions
Brushbond is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Should use a dust mask while handing the powder.

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</tr>
</tbody>
</table>

Covering
Sprinkle coarse sand on wet surface of final coat for better adhesion of screed.

Average drying time is 4 to 6 hours at normal temperatures.

Regional Offices

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www.fosroc.com
**Brushbond® Coolcoat**

**Polymer based solar reflective and insulating coating**

**Uses**

Brushbond Coolcoat is designed for use as a thermal insulation coating on roof slabs and walls of buildings. It can also be used on the interior walls and the roof of freezer rooms and cold storage facilities.

Brushbond Coolcoat can be applied on the following substrates:
- Concrete
- Asbestos sheet
- Weatherproof and roofing materials

**Application area:**
- External and internal walls
- Cold storage facilities
- Roof slabs

**Advantages**

- Minimum surface preparation needed
- Single component - Brush or roller applied directly on the substrate
- Light weight yet effective
- Excellent adhesion to most building substrates
- Low thermal conductivity reduces energy consumption
- Durable - High UV resistance

**Description**

Brushbond Coolcoat is a water-based white coloured emulsion comprising of polymers and specially designed hollow “microspheres”, less than 100 microns in diameter with non conductive properties.

These microspheres collectively acts as thermal insulation blanket covering the structure effectively reflecting solar radiation back into the atmosphere. This results in impressive temperature reduction behind the substrate.

**Technical support**

The company provides a technical advisory service supported by a team of specialists in the field.

**Properties**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and colour</td>
<td>White coloured, pasty consistency</td>
</tr>
<tr>
<td>Surface drying time</td>
<td>15 min - 20 min at 27ºC</td>
</tr>
<tr>
<td>Over coating time</td>
<td>2 - 3 hours</td>
</tr>
<tr>
<td>Service temperature</td>
<td>-30ºC to +90ºC</td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td></td>
</tr>
<tr>
<td>Brushbond Coolcoat</td>
<td>0.1 W/m °C</td>
</tr>
<tr>
<td>Normal Concrete</td>
<td>1.28 W/m °C</td>
</tr>
<tr>
<td>Steel</td>
<td>16.0 W/m °C</td>
</tr>
<tr>
<td><strong>Note:</strong> High values indicate higher rate of transmission of heat</td>
<td></td>
</tr>
</tbody>
</table>

**Application instructions**

**Preparation**

All the surfaces which are to receive Brushbond Coolcoat coating, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Renderoc system.

Metal surface must be thoroughly abraded to ensure proper mechanical key.

**Mixing**

Add 800ml clean water per pack of 4 L of Brushbond Coolcoat and mix thoroughly using a slow speed drill fitted with a paddle.

**Priming**

Priming is not required on metallic and non porous surfaces. On highly porous cementitious surfaces, apply a slurry coat made with 1:1:3 (Nitobond SBR:Water:Cement) using a clean roller/brush and allow the surface to dry for atleast 2-3 hours.

**Application**

Once the sealer coat has dried, the Brushbond Coolcoat system shall be applied using a brush/roller or by a suitable spray equipment. Allow the surface to dry for at least 2-3 hours before applying the second coat.

**Cleaning**

Brushbond Coolcoat coating should be removed from tools and equipment immediately after use with clean water. Hardened material can only be removed mechanically.
Brushbond® Coolcoat

Estimating

Packaging
Brushbond Coolcoat system is supplied in 4 L packs.

Coverage
This depends on the roughness & porosity of the substrate. The approximate coverage 7 m²/coat/L after dilution on concrete surfaces.

Though diluted, for workability purpose, extra yield in material per pack shall not be used for extended coverage.

A minimum of 2 coats are recommended for effective performance. Allowances should be made for any possible wastages when estimating.

Storage

Shelf life
Brushbond Coolcoat system has a shelf life of 6 months in unopened packs, if kept in a cool dry store.

Limitations

Brushbond Coolcoat system has a limited resistance to water permeability. To provide effective protection to the building, when used on concrete surfaces, this system should be used in conjunction with Fosroc’s Brushbond/Nitoproof/Proofex range of waterproofing systems. Fosroc shall be consulted before recommending or using this system.

Precautions

Health and Safety instructions
Brushbond Coolcoat system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Brushbond Coolcoat system is non-flammable.

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INDIA/0852/A
Brushbond® RFX

High performance elastomeric cementitious waterproof coating

Uses

Brushbond RFX is an high performance elastomeric cementitious coating used for waterproofing and to protect atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, oxygen & water.

Brushbond RFX is suitable for all types of structures including those in coastal environments.

The product can be used on concrete, brick and blockwork substrates and is equally suitable for new and existing structures. The product is designed to reface and even out variations in concrete and masonry surfaces and bridge shrinkage cracks. It provides a seamless, flexible waterproof coating suitable for water tanks, reservoirs, drainage culverts basements and roofs. The product provides a tough durable water resistant coating which can withstand light pedestrian traffic and also has excellent weather resistance for exterior applications.

Advantages

- Excellent barrier to carbon dioxide, chloride and sulphate ions.
- Allows water vapour to escape from the structure.
- Waterproof-suitable for water retaining structures.
- High resistance to the effect of long-term weathering, durable in all climate conditions including UV attack.
- Non toxic - ideal for potable water tanks.
- Flexible, with thermal expansion similar to concrete.
- Excellent bond to concrete and masonry.
- Good crack accommodation capacity.
- Minimum surface preparation needed and low labour costs.

Standards compliance

Tested to ASTM D4060, ASTM D4541, ASTM D638, ASTM C836.

Description

Brushbond RFX is a two component acrylic polymer modified cementitious coating which consists of Brushbond RFX powder and Nitobond BBX acrylic emulsion. It requires only the addition of clean water at site to produce an easily brushable coating.

Brushbond RFX can simply be applied by stiff brush, roller or trowel to obtain the desired thickness.

Properties

- **Pot life**: 30 min @ 27°C
- **Mixed density**: 1.68g/cc (brushable consistency)
- **Colour**: Grey
- **Application temp.**: Not less than 10°C
- **Adhesion to concrete**: >1N/mm²
- **Toxicity**: Non-toxic
- **Static crack accommodation**: 1mm

Application Instructions

Surface Preparation

All surfaces which are to receive the coating must be free from oil, laitance, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Typically concrete surfaces can be cleaned using high pressure water jet or grit blasting or by proper wire brushing. Spalled surfaces or those containing large blow holes, cracks and other such defects should be repaired using Renderoc concrete repair mortars. For further advice on suitable repair mortars, contact the local Fosroc Office.

Mixing

Nitobond BBX concentrate should be poured into a plastic container or metal drum. Clean fresh water is added in the proportions shown below and mixing commenced with a propeller agitator attached to a slow speed drill (500pm). The powder component should be added gradually to the liquid to avoid lump formation and mixed for 2-4 minutes. Brushbond RFX should be immediately used after mixing. Do not mix more material than can be used within the pot life. Keep stirring Brushbond RFX during the application.

Mixing ratio

<table>
<thead>
<tr>
<th>Brushbond RFX Components</th>
<th>Brush Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder</td>
<td>Indl Pack</td>
</tr>
<tr>
<td>Water</td>
<td>Small</td>
</tr>
<tr>
<td>Powder</td>
<td>15kg</td>
</tr>
<tr>
<td>Nitobond BBX</td>
<td>4.8L</td>
</tr>
<tr>
<td>Water</td>
<td>3L</td>
</tr>
<tr>
<td>Powder</td>
<td>5kg</td>
</tr>
<tr>
<td>Nitobond BBX</td>
<td>1.63L</td>
</tr>
<tr>
<td>Water</td>
<td>1L</td>
</tr>
</tbody>
</table>

Application

For best results, surfaces should be damp. In order to obtain the protective properties of Brushbond RFX, it is important that the correct rates of application are observed. Use a short stiff brush preferably 120-150mm width and apply the mixed material like paint.
The application of Brushbond RFX should not be done if the temperature of the substrate is below 10°C. When applying Brushbond RFX on hot substrates i.e., over 30°C surface temperature, saturate the surface with water. Apply Brushbond RFX in 2 coats to achieve 1mm thickness. The second coat of Brushbond RFX shall be applied as soon as the first coat has reached touch dry state. It is recommended that for general surfacing Brushbond RFX should be applied at a minimum thickness of 1mm. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above.

Allow the Brushbond RFX coating to dry before covering with screed. Sprinkle coarse sand on wet surface of final coating for better adhesion of screed.

Average drying time is 4 to 6 hours at normal temperatures.

Cleaning

Brushbond RFX should be removed from tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

Estimating

Packing

Powder component : 15kg & 5kg packs
Liquid polymer component : 4.8L & 1.63 L containers

Coverage

This depends on the required consistency. The approximate coverage per pack at even consistency (1mm thickness) is as follows

<table>
<thead>
<tr>
<th>Consistency</th>
<th>Brush application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage (15kg + 4.8 L pack)</td>
<td>12 - 14m²</td>
</tr>
<tr>
<td>Coverage (5 + 1.63 L pack)</td>
<td>4 - 4.5m²</td>
</tr>
</tbody>
</table>

Storage

Shelf life

9 months in unopened packs if kept in a dry store.

Precautions

Health and Safety instruction

Brushbond RFX is non-toxic but alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Use a dust mask while handling the powder.

Fire

Brushbond RFX components are non inflammable.

Additional Information

The Fosroc range of associated products includes high strength cementitious, epoxy grout, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates; Resin Anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

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INDIA/708/F
Brushbond® TGP
(Formerly known as Tegraproof C)

Crystalline capillary waterproofing system for cementitious substrates

Uses
Brushbond TGP* crystalline waterproofing system is used for waterproofing against the positive or negative sides of hydrostatic heads of water, for dampproofing, repairing cracks, plugging holes, sealing wall-floor joints and stopping active leaks in a wide variety of conditions including:
- Sewage treatment and water treatment plants, tanks, foundations, tunnels and manholes.
- Terrace garden, balconies, sunshades etc.
- Roof and Sunken slabs
- Industrial and office buildings
- Reservoirs, water holding structures etc.

Advantages
- Meets the requirements as per ANSI/NSF Std 61 for suitability to potable water
- Penetrates concrete, seals capillary tracts
- Contains no chloride
- Easy to apply
- Resists chemical attack of sewage and industrial wastes
- Suitable for external and internal applications.

Description
Brushbond TGP* crystalline capillary waterproofing system contains proprietary blend of portland cement, quartz aggregate and special chemicals. In the presence of moisture, the active chemicals in Brushbond TGP* crystalline waterproofing system penetrates concrete and react chemically with free lime to produce insoluble crystals. This crystalline growth reduces porosity by blocking capillaries and filling hairline non-structural cracks (upto 0.25mm wide) caused by shrinkage or expansion. Unlike metallic and membrane types of waterproofing which only form a surface barrier, Brushbond TGP* crystalline waterproofing system in the presence of water, continues producing crystals and lasting imperviousness to water.

Technical support
The company provides a technical advisory service supported by a team of specialists in the field.

Instructions for use

Surface preparation

Old concrete
Surfaces must be clean and sound. Remove all oil, dirt, laitance and other contaminants by water blasting.

Water blasting is preferred for surface preparation because it mechanically cleans and roughens the surface, is environmentally safer and leaves the surface saturated with water. Surface must be damp for application of Brushbond TGP* crystalline waterproofing system, concentrate.

New concrete
After forms are stripped, acid etch or sand blast/water blast to facilitate penetration of crystals formed during the chemical reaction. Surface must be left damp for application on Brushbond TGP* crystalline waterproofing system.

Construction joints, cold joints and non-leaking joints greater than 0.25mm wide must be cut in V-groove shape and filled with Brushbond TGP* crystalline waterproofing system in mortar consistency.

Mixing
For best results, clean, potable water should be added to Brushbond TGP* crystalline waterproofing system concentrate.

Application

Existing concrete
3 parts of powder shall be added to 1 part of clean and mixed thoroughly with a slow speed drill equipped with a paddle. For larger batches, mixing shall be done with a mortar mixer. Do not mix more material than can be used in 20 minutes @ 27°C, 50% R.H. If mixture thickens, it shall be restirred to reduce consistency. Extra water should not be added.

Curing and Protecting
Brushbond TGP* crystalline waterproofing system application must be kept moist for a minimum of 48 hours. After initial set, moist curing, using continuous water spray is recommended. Treated surfaces shall be fog sprayed 3 to 4 times daily for the 48 hour period. For warmer climates, more frequent spraying may be required. It is important to keep the Brushbond TGP* crystalline waterproofing system moist to allow the crystal formation to occur. The surfaces shall be protected from foot traffic for 48 hours or heavy traffic for 7 days.
days. Freshly applied Brushbond TGP* crystalline waterproofing system must be protected from extreme weather conditions such as rain, strong winds, high temperatures and freezing for a period of not less than 48 hours after application. A minimum of 7 days of air curing shall be allowed prior to immersing the surface in water.

Clean up
Prior to curing, Brushbond TGP* crystalline waterproofing system concentrate may be cleaned from tools and other surfaces with water.

Limitations
Brushbond TGP should not be used when the temperature is 5°C and falling. Full activation and effectiveness of Brushbond TGP may require 2-3 weeks following application.

Estimating
Supply
Brushbond TGP : 15 kg bags

Coverage
Brushbond TGP : 1.0 to 2.0 kg/m² per application (brush)

The coverage of Crystalline waterproofing system is recommended depending upon the type of structure and application. Generally, it is applied in 2 coats for effective performance of the system.

Storage
Brushbond TGP* crystalline waterproofing system concentrate should be stored in protected, dry areas. When left in original unopened package, Brushbond TGP* crystalline waterproofing system will maintain its design performance characteristics for 1 year.

Precautions

Health & Safety Instructions
Brushbond TGP* crystalline waterproofing system contain chemicals that may cause irritation to the eyes and skin. Goggles, rubber gloves and long sleeves should be worn when working with these products. Read warnings noted on product package and refer to product material safety datasheet prior to use.

Important note :
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Brushbond® TI Flexicoat

Elastomeric acrylic polymer based solar reflective and insulating coating

Uses

Brushbond TI Flexicoat is designed for use as a thermal insulation coating on roof slabs and walls of buildings. It can also be used on the interior walls and the roof of freezer rooms and cold storage facilities.

Application Areas include:
- Concrete or metal roofs
- Asbestos sheet and other metal surfaces
- External and internal walls
- Cold storage facilities
- Steam pipes and fittings
- Wood, tiles, PU foams and asphalt shingles.

Advantages
- Minimum surface preparation needed
- Single component - Brush or roller applied directly on the substrate
- Light weight yet effective
- Excellent adhesion to most building substrates
- Excellent flexibility at both high and low temperatures
- Non conductive property saves air conditioning energy cost
- Has resistance to water penetration
- Flexible - high elongation characteristics
- Good resistance to atmospheric pollution
- Durable - High UV resistance
- Breathable - allows water vapour to escape

Description

Brushbond TI Flexicoat is a water-based white coloured emulsion comprising of acrylic polymers and specially designed hollow "microspheres", less than 100 microns in diameter with non conductive properties.

These microspheres collectively acts as thermal insulation blanket covering the structure effectively reflecting solar radiation back into the atmosphere. This results in impressive temperature reduction behind the substrate by a min. of 10°C. This system also has certain waterproofing properties and is able to bridge hairline cracks caused by thermal movements.

Technical support

The company provides a technical advisory service supported by a team of specialists in the field.

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and colour</td>
<td>White coloured, pasty consistency</td>
</tr>
<tr>
<td>Surface drying time</td>
<td>15 min - 20 min at 27°C</td>
</tr>
<tr>
<td>Over coating time</td>
<td>2 - 3 hours</td>
</tr>
<tr>
<td>Shore A Hardness</td>
<td>45 - 55</td>
</tr>
<tr>
<td>Tensile strength at break</td>
<td>1 - 1.5 N/mm²</td>
</tr>
<tr>
<td>ASTM D 412</td>
<td></td>
</tr>
<tr>
<td>Elongation at break</td>
<td>100%</td>
</tr>
<tr>
<td>ASTM D 412</td>
<td></td>
</tr>
<tr>
<td>Q-UV accelerated weathering (3000 Hrs)</td>
<td>No evidence of cracking, deterioration &amp; loss of flexibility</td>
</tr>
<tr>
<td>Service temperature</td>
<td>-30°C to +90°C</td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td></td>
</tr>
<tr>
<td>Brushbond TI Flexicoat</td>
<td>0.1 W/ m °C</td>
</tr>
<tr>
<td>Normal Concrete</td>
<td>1.28 W/m °C</td>
</tr>
<tr>
<td>Steel</td>
<td>16.0 W/m °C</td>
</tr>
<tr>
<td>Note: High values indicate higher rate of transmission of heat</td>
<td></td>
</tr>
</tbody>
</table>

Application instructions

Preparation

All the surfaces which are to receive Brushbond TI Flexicoat coating, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Renderoc system.

Metal surface must be thoroughly abraded to ensure proper mechanical key.

Mixing

Add 20% clean water (i.e. 4 litres of clean water to the 20 litre container) and mix thoroughly using a slow speed drill fitted with a paddle.
**Brushbond® TI Flexicoat**

**Priming**
Priming is not required on metallic and non porous surfaces. On highly porous cementitious surfaces, apply a polymer modified slurry coat using a clean roller/brush and allow the surface to dry for at least 2-3 hours.

**Application**
Once the sealer coat has dried, the Brushbond TI Flexicoat system shall be applied using a brush/roller or by a suitable spray equipment. Allow the surface to dry for at least 2-3 hours before applying the second coat.

**Cleaning**
Brushbond TI Flexicoat coating should be removed from tools and equipment immediately after use with clean water. Hardened material can only be removed mechanically.

**Estimating**

A minimum of 2 coats are recommended for effective performance. Allowances should be made for any possible wastages when estimating.

**Storage**

**Shelf life**
Brushbond TI Flexicoat system has a shelf life of 6 months in unopened packs, if kept in a cool dry store.

**Limitations**

Brushbond TI Flexicoat system has a limited resistance to water permeability. To provide effective protection to the building, when used on concrete surfaces, this system should be used in conjunction with Fosroc’s Brushbond/Nitoproof/Proofex range of waterproofing systems. Fosroc shall be consulted before recommending or using this system.

**Precautions**

**Health and Safety instructions**
Brushbond TI Flexicoat system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Brushbond TI Flexicoat system is non-flammable.

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