

Product Description

Techno BrushCote is a two component acrylic polymer reinforced cementitious waterproofing membrane coating system which consists of Techno BrushCoat powder and Techno Bond BC acrylic emulsion. It requires only the addition of water on site and when mixed in the proper proportions, an easily brushable coating is produced. Techno BrushCote can simply be applied by a stiff brush, or trowel to obtain the desired thickness. Techno BrushCote powder consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder and Techno Bond BC liquid component of blended acrylic co-polymers. The polymer provides exceptional adhesion, toughness and durability.

Uses

TechnoBrushCote provides a seamless, waterproof coating suitable for use in water tanks, reservoirs, swimming pools, roofs and to ensure water tightness. Techno BrushCote effectively protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases. Techno BrushCote is designed to re-face and even out variations in concrete and masonry surfaces.

Techno BrushCote effectively seals concrete masonry walls and bridges the shrinkage cracks which are static. Techno BrushCote 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 non-porous 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

Properties

Pot life at 20°C	:	1 hour
at 35°C	:	20 min.
Mixed Density	:	1.70g/cc. (brushable consistency)
Tensile strength (ASTM D 638)	:	2 N/mm ² (at 1.5mm thickness)
Colours	:	Grey and white
Application temperature	:	Not less than 10°C
Toxicity	:	Non-toxic
Adhesion to concrete	:	>1N/mm ²

Application Instructions

Preparation

All the surfaces which are to receive TechnoBrushCote, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion.

Priming

To further improve waterproofing and bonding properties on porous substates, we recommend Techno Brush Seal, a penetrating water repelling acrylic primer. Techno Brush Seal which ensures proper adhesion of all brushable elastomeric memberane when waterproofing is done on porous substrates. It also acts as a bond layer between elastomeric coating and substrate.

The surfaces to be primed must be dried before treating with Techno Brush Seal.

Mixing

Techno Bond BC 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

Techno BrushCote Components		Indl. Pack
Powder		20kgs
Techno Bond BC		5kgs
Water	4ltrs	

For best results moisten the surface before coating with Techno BrushCote. 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.

Techno BrushCote shall be applied in two coats to achieve 1mm thickness. The second coat of Techno BrushCote shall be 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 Techno BrushCote and water with a slurry like consistency should be applied. Prime only areas that can be coated with Techno BrushCote 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.

To further improve elongation at failure and crack-bridging on horizontal surfaces, we recommend sand-wich layer of non-woven macro-holed polypropylene fabric on the first coat of freshly laid Techno BrushCote using flat-bladed trowel to make sure that it is perfectly buttered. Apply second coat of Techno BrushCote to cover the fabric and smooth over the surface using flat-bladed trowel.

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

Subsequent Finishes

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

Techno BrushCote is however compatible with most forms of subsequent coatings.

Cleaning

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

Coverage

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

Consistency	Brush Application
Coverage in m ²	

Packaging

Techno BrushCote powder is supplied as a package of 19.5kgs (Industrial Pack). Techno Bond BC is supplied in 5.5kgs.

Health & Safety

Techno BrushCote 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.

Precautions & Limitations

Techno BrushCote 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 handling the powder.

Fire

Techno BrushCote system is non-flammable

Shelf Life

The Powder component may be stored for upto 12 months when contained in its original sealed packing.

The Liquid component may be conserved for upto 18 months when contained in its original sealed packing.

Store BrushCote material in a dry place.

Important: Technokem products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, Technokem does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

For Complaints/Suggestions:

Please write to our Customer Care Executive at

TechnoKem Manufactures of Construction Chemicals

#301, Krishna Classic, Road No.17,
Plot No. 51, Sardar Patel Nagar,
Kukatpally, Hyderabad - 500085,
Off: 040 - 29559256



info@technokem.com
www.technokem.com

An ISO: 9001: 2015 Accredited Company