

DESCRIPTION

ISOTECH BRUSH 1 comprises a two component acrylic polymer modified cementitious coating supplied in ready to mix kits. ISOTECH BRUSH 1 can be simply applied by stiff brush, roller, spray or towel to obtain the desired texture

USES

To protect atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, oxygen and water. The product is also suitable to protect other cementitious substrates and masonry for new and existing structures. Typical applications include:

- Re-facing and reprofiling concrete & masonry surfaces.
- Flexible coating to bridge shrinkage cracks. Waterproof
- coating for water tanks and reservoirs.
- Backing to marble and granite, preventing water ingress and alleviate staining.

ADVANTAGES

- Water proof suitable for water retaining structures.
- High resistance to the effects of long-term weathering, durable in all climatic conditions including UV attack.
- Minimum surface preparation needed and low labour costs.
- Good abrasion resistance.
- Allows water vapour to escape from the structure.
- Excellent barrier to carbon dioxide, chloride ions and water.

APPLICATION

The coating should be applied in two coats to achieve a total dry film thickness of not less than 2mm. Areas subjected to light foot traffic should receive minimum 2mm thickness and an additional 2mm coating should be applied to areas of moderate to heavy pedestrian conditions.

PREPARATION

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, laitance, and all traces of mould release oils and curing compounds. This is best achieved by lightly grit-blasting the surface.

Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process.

It is essential that all surfaces to be treated be pre-soaked with clean water prior to application of ISOTECH BRUSH 1.

MIXING

ISOTECH BRUSH 1 liquid should be poured from the plastic containers into the metal drum provided. For brush application consistency mix with a slow speed drill.

The powder component should be added gradually to the liquid to avoid lump formation and mixed for 5 minutes.

isotech

HOW
TO
APPLY

1) Apply By Roller



2) Apply By Spray



3) Apply By Brush



COVERAGE

Theoretical 14m²/pack, 1 mm thickness

HEALTH AND SAFETY

[ISOTECH BRUSH 1](#) components are non-flammable.

For further information, refer to the product Safety Data Sheet

CLEANING

[ISOTECH BRUSH 1](#) should be removed from tools and equipment with clean water immediately after use.

Hardened material can be removed mechanically.

TECHNICAL SPECIFICATIONS

Pot Life	80 mins @ 25°C
Color	Grey, White or As per customer requirements.
Application Temp.	>5°C and <45°C
Tensile Strength (ASTM D638)	>1 Nmm ²
Bond Strength (ASTM D4541)	>1 N/mm ²
Moisture Vapour Transmission (ASTM E96)	>300 (g/m ² /day)
Storage	Store between 35°C and 10°C in a shaded environment.
Shelf Life	12 months in unopened packs.
Packing	Powder: 15kg/bag Liquid: 5kg/jerry can