

### GENERAL DESCRIPTION

AXEL POLYSHIELD 131 is a specially formulated seamless cementitious waterproofing coating with high flexibility property. This property provides a good crack bridging and protection over treated surface.

AXEL POLYSHIELD 131 is resistant to most mild chemicals as found in the roof condition and has excellent properties to water. It is easy to install and repair.

### RECOMMENDED USES

- \* Concrete flat roof
- \* R.C. gutter
- \* Planter boxes
- \* Tunnels
- \* Concrete embankments
- \* Basements

### CHARACTERISTICS & ADVANTAGES

- \* Economical
- \* Non-toxic
- \* Hard wearing
- \* Protects concrete from deteriorating, oxidation, efflorescence, corrosion and spalling
- \* Easy handling
- \* Non-tainting
- \* Environmental friendly

### COVERAGE

Approximately 1.5 kg/m<sup>2</sup> per coat.  
(Coverage may vary depending on substrate conditions)

### COLOURS

Part A: Grey powder                      Part B: White liquid  
Part A + Part B (mixed mortar): Grey slurry

### PACKING

28 kg per set  
Part A: 18 kg per bag                      Part B: 10 kg per bottle

### STORAGE

Store in a dry, cool and shaded place



### SURFACE PREPARATIONS

Surfaces to be treated should be structurally sound, clean and free from loose particles, oil, grease or any other contaminants. Ensure that all concrete bases are cured for at least 28 days. Repair all cracks, unsound concrete or honeycombs with **AXEL EMBED 301R** before application.

### METHOD OF APPLICATION

- \* Mixing **AXEL POLYSHIELD 131** part A and B in a clear container with a power stirrer for at least 3 minutes until a homogeneous component is achieved.
- \* **AXEL POLYSHIELD 131** can be applied by brush, roller or spray. Apply first coat in one direction and allow to dry.
- \* Apply second coat in opposite direction and allow to dry. Allow coating longer interval of 24 hours to 48 hours if humidity or ventilation is not sufficient.
- \* Allow longer curing time of 7 to 14 days after completion before compounding of water.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be mechanically removed.

### TECHNICAL SPECIFICATIONS

No. of components	Two
Mixing ratio	Part A : Part B = 1.8 : 1 (parts by weight)
Specific gravity	Part A: ~1.25 kg/litre    Part B: ~ 1.02 kg/litre Part A + Part B (mixed mortar): 1.46 kg/litre
Pot life (28°C)	~ 30 minutes Time may vary depending on temperature and humidity
Bonding strength to concrete	> 0.5 Mpa
Tensile strength	Approximately 1.3 Mpa
Elongation at break	> 100 %
Water absorption (BS1881-122: 1983)	0.22 % (average corrected adsorption)
Toxicity	Non toxic

### SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

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