

AQUAKEM 127

Waterproofing Epoxy Membrane

GENERAL DESCRIPTION

AXEL AQUAKEM 127 is a double component hybrid polymer base waterproofing resin dispersed in an aqueous medium for easy handling and environmental requirements.

AXEL AQUAKEM 127 when applied forms a membrane which is hydrophilic and allows the water vapour to breathe through but not any water.

AXEL AQUAKEM 127 is used as a waterproofing to seal joints at toilet tiles or as a "wet on wet" and "tile on tile" waterproofing tiling system.

RECOMMENDED USES

- * Retaining walls
- * Basement walls
- * Tunnels
- * Soffits of slabs
- * Underground cellars
- * Pits or planter boxes
- * Timber panels
- * Damp walls
- * Roof slabs
- * Toilet slabs

CHARACTERISTICS & ADVANTAGES

- * Easy to handle
- * Hydrophilic nature
- * Very tough and not easily punctured
- * Can take 250 kPa Hydrostatic water pressures
- * Economical
- * Can be applied over damp surface
- * Non-flammable, colourless and low toxicity
- * Can be used on soffit or negative side of water penetration.

COVERAGE

3m²/kg for normal surface per coat for 1st coat
5m²/kg for 2nd coat or 3rd coat

COLOURS

Grey

PACKING

1 kg per set	(Part A: 0.836 kg per bag	Part B: 0.164 kg per bag)
5 kg per set	(Part A: 4.18 kg per pail	Part B: 0.82 kg per bottle)
25 kg per set	(Part A: 20.9 kg per pail	Part B: 4.1 kg per bottle)

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATIONS

Ensure that the substrate is clean and all dirt, loose coatings or oil is removed thoroughly. Cracks or honeycomb concrete shall be repaired with Axel Injection grout system or patching to honeycomb concrete with **AXEL EMBED 301R** polymer grout. Ensure that the concrete is cured for 28 days.

METHOD OF APPLICATION

Coating application

- * Mix **AXEL AQUAKEM 127** Part A and Part B with a power stirrer until it is homogeneous.
- * Mix 5% water into the mix thoroughly with the power stirrer
- * Apply 1st coat at 100 micron WFT with roller or brush.
- * Allow it to dry.
- * Mix **AXEL AQUAKEM 127** Part A and Part B with a power stirrer until it is homogeneous
- * Apply neat at 100 micron WFT with roller or brush.
- * Continue with 3rd coat where necessary

Joint sealant application

- * Mix **AXEL AQUAKEM 127** Part A and Part B thoroughly in a small container.
- * Pour the sealant into the tile joints. (Masking may be necessary for a tidy work).
- * Wipe off the excess sealant with wet sponge or cloth.
- * Allow the sealant to dry overnight.

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
Specific gravity	Approximately 1.2-1.3 kg/litre
Pot life (28°C)	20-25 minutes Time may vary depending on temperature and humidity
Finishing	Semi-gloss to satin
Total solids	60 % by weight
Adhesion strength	≥ 1 Mpa
Cleaning medium	Water

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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