

GENERAL DESCRIPTION

AXEL CRYSTLE 126 is a single pack aqueous reactive dry powder cementitious material system which waterproofs and protects new and old structurally ground concrete or masonry screed plaster.

AXEL CRYSTLE 126 contains active waterproofing chemicals which react with moisture and free lime in the concrete, creating insoluble crystalline needle which seal the capillaries or minor shrinkage cracks.

AXEL CRYSTLE 126 remains dormant and then becomes active again in the presence of water, continuously forms crystals and giving a sealing ability.

RECOMMENDED USES

- * Basement floors and walls
- * Strip footing foundation
- * Pre-cast concrete structures
- * Tunnels
- * Retaining walls
- * Water tanking structures

CHARACTERISTICS & ADVANTAGES

- * Non-toxic
- * Easy to install
- * Convenient to install in wet or damp areas
- * Good adhesion to cement based substrates
- * Economical
- * No puncturing to the waterproofing system

COVERAGE

- * 1 kg/m² at bath areas with 2 coats
- * 1.5 kg/m² at tanking with salt or waste water environments
- * 2% dosage by weight of cement per m³ concrete

COLOURS

Standard grey

PACKING

25 kg per bag

STORAGE

Store in a dry, cool and shaded place

SURFACE PREPARATIONS

Ensure that the substrate is clean, sound and free from dust, oil, grease, curing compound and contaminations etc. New concrete structure must be cured for at least 28 days. All protrusion, cement laitance or damaged areas must be removed. Cracks or honeycombs must be repaired prior to application. Rinse surface thoroughly to saturate concrete. Ensure that the surface is not ponding before application. Install angle fillet or seal joints

METHOD OF APPLICATION

Surface Application Method

- * Mix 5 parts **AXEL CRYSTLE 126** with 2 parts water with a power stirrer until a homogeneous slurry cream (powder into water). If "false setting" occurs, after mixing, re-stir to restore workability.
- * Apply with bristle brush broom at 2 coats at 1.5kg/m² for tanking structures and 1kg/m² for normal area such as bathroom, kitchen and etc.
- * Angle fillet shall be installed at edges of floor to walls with lapping of 150mm skirting.
- * Ensure protection from direct sun light and allow the surfaces to be damp.

Dosage Application Method

- * Dosage of 2% by weight of cement per m³ concrete.
- * Add **AXEL CRYSTLE 126** in powder form to the drum of the ready mix truck.
- * Mix for 5 minutes minimum.

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	One
Specific gravity	Approximately 1.25 kg/litre
Pot life (28°C)	25-30 minutes Time may vary depending on temperature and humidity
Bonding strength to concrete	> 0.5 Mpa
Comparison between treated and untreated concrete cube - Depth of Water Penetration (DIN 1048:Part 5:1991 / BS EN 12390-8:2000)	Approximately 18% reduction on water penetration compared to untreated concrete cube
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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