

GENERAL DESCRIPTION

AXEL LATEX 1001TG is a specially modified emulsion base bonding agent used normally as a bonding agent to increase adhesive between two cement substrates as well as increase cohesive link between the cement matrixes.

AXEL LATEX 1001TG is commonly used as an additive in the cement sand screed or used as a slurry blend with cement to form a bond coat between old and new screed and wall plaster.

RECOMMENDED USES

- * For higher strength floor screeds with less 'dusting', improved flexibility and resistance to cracking.
- * For wear resistance floor toppings in water treatment works, sewage systems, etc.
- * As an additive to repair mortars for patching and filling.
- * As a bonding agent for rendering, tile fixing and masonry jointing mortars, etc.
- * As a bonding grout between old and new concrete, as well as in construction joints.

CHARACTERISTICS & ADVANTAGES

- * Easy to use
- * Better abrasion resistance
- * Reduces water permeability
- * Increases chemical resistance
- * Non-toxic, non-corrosive and non-flammable
- * Increases adhesion, flexural and tensile strength
- * Compatible with cementitious compound

COVERAGE

6 kg/m² for a 100 mm screed.
(Consumption may vary depending on surface conditions and application technique.)

COLOURS

Milky white liquid

PACKING

5 litres, 18 litres per pail

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATIONS

Before application of AXEL LATEX 1001TG ensure that the substrate must be sound, clean and free from oil, grease, laitance, loose particles or dust. All absorbent substrates must be pre-wetted to saturated surface dry (SSD) condition.

METHOD OF APPLICATION

As additive to mortar / grout for patching and filling

- * Mix sand and cement first, then add AXEL LATEX 1001TG solution as required.
- * Mix thoroughly with low speed drill for 2-3 minutes until get a homogeneous mix. Avoid over mixing that will cause excessive air entrainment.
- * AXEL LATEX 1001TG is recommended to add directly into the mix without diluted to enhance the performance of repair mortar, rendering, tile fixing, etc.
- * Trial is recommended for specific mix design to achieve the desired result.

As Bonding agent / coat

- * Clean existing concrete surface.
- * Apply AXEL LATEX 1001TG with a nap sack or roller @ 5m² / litres
- * Allow the coat to be wet before application of top screed or concrete.
- * Open time shall be 20 minutes between bond coat
- * Apply next cast of screed or concrete & vibrate
- * Allow the screed or concrete to set.

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	1.0-1.1 kg/l
Modulus of elasticity at 28 days	± 6.5 N/mm ²
Bond strength	≥ 1.0 N/mm ² (Pull-Off Strength Test)
Curing time (25°C)	24 hours
Flash point	Non flammable

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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