

GENERAL DESCRIPTION

AXEL NANO-SEAL 918 is a single component hybrid polymer based system using nano-metre particle technology to penetrate, seal and bind back cracks and other porous structures in the concrete.

It is also formulated as a sealer for efflorescence, bonding to various substrates and preventing further dusting or unsightly powdery growths, and as an impregnator to strengthen cohesive and adhesive bonding in screed or mortar

RECOMMENDED USES

Used as penetrating agent for cracks

- * Bridge decks
- * Horizontal concrete slab structures
- * Parking decks
- * Also use to fill up void or honeycomb in concrete, timber, rubber & plastic substrates

CHARACTERISTICS & ADVANTAGES

- * Low odour
- * Excellent bonding strength
- * Solvent free
- * Non-toxic in cured form
- * Some reaction with salty or contaminated water
- * Low viscosity
- * Good penetration

COVERAGE

Approximately 6m²/L depending on degree of porosity (Theoretical)

COLOURS

Clear

PACKING

20 L per pail

STORAGE

Store in a dry, cool and shaded place

SURFACE PREPARATIONS

The substrate must be clean from oil, grease, curing compounds, loose particles and other contaminants.

Cleaning may be accomplished in some cases by blowing the surface with high pressure air. Cracks in high traffic areas may require high pressure water jetting (3000 - 5000 psi) to remove the silt line and allow maximum penetration.

METHOD OF APPLICATION

Application can be performed by brush, roller or spray.

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 (25°C)	1-1.1 kg/l	
Flammability	Non flammable	
Thinning	Not required	
Compressive strength	55 Mpa (8000 psi)	
Tensile strength	27 Mpa (3940 psi)	ASTM D695
Flexural strength	35.8 Mpa (5200 psi)	ASTM D638
Flexural modulus of elasticity	25.5 Mpa (3700 psi)	ASTM D790
Adhesion strength	1.2 Mpa	
Elongation	5%	ASTM D790

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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