

GENERAL DESCRIPTION

AXEL EPOGROUT 302 is specially formulated 3 components quartz reinforced composite epoxy grout compound.

AXEL EPOGROUT 302 is compatible with the thermal co-efficient of expansion and contraction of concrete as well as metal substrates.

RECOMMENDED USES

- * Grouting & leveling to machinery or stanchion column base
- * Filling of potholes or honeycomb concrete
- * Bonding to marble or slate slabs to fascia or floor
- * Repair to chemical or high abrasive floor
- * Leveling of floor

CHARACTERISTICS & ADVANTAGES

- * Compatible thermal co-efficient of expansion provides long terms resistance to disbandment
- * Hydrophobic primer provides outstanding adhesion to damp concrete, a unique feature for concrete coatings
- * Screed able consistency makes installation and finishing easy with hard tools or power equipment
- * Stronger than standard concrete, tough resin structure resists mechanical impact
- * Fast curing support foot traffic in as little as 3 hours
- * Resistance to blistering caused by out gassing of concrete

COVERAGE

Approximately coverage 2100 - 2200kg/ m³

COLOURS

Reddish brown

PACKING

20 kg per set

Part A: 2.4 kg /pail Part B: 0.8 kg /can Part C: 16.8 kg / bag

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATIONS

Remove all grease, oil, grime, flaking paintworks, dirt and dust. Loose concrete and the laitance layer should also be removed. This is best accomplished by water-blasting, scabble or dry abrasive blasting. The resulting surface should then be rough, porous & free of all standing water. However, dampness is acceptance. For more detailed information on surface preparation kindly contact **AXELCHEM SDN BHD** technical department.

METHOD OF APPLICATION

* **AXEL EPOGROUT 302** topcoat should be applied shortly after application of primer. The primer must be wet prior to the application of topcoat. **AXEL EPOGROUT 302** topcoat should be applied at a minimum thickness of 6mm.

* Premix Part A to disperse pigments. Thoroughly mix Part A and Part B using a low speed mixer. Transfer a small portion of this mix to Part B container and mix to catalyze residual Part B. Add this back to Part A and B mix. Once mixed, gradually mix in the quartz reinforcement, Part C.

* After mixing, use screed guides and rigid bar, or screed box, not exceeding 1.2m wide, apply a minimum of 6mm and finish using steel trowels. Large areas may be power trowel to achieve the required flatness and finish. Remove all trowel marks and unevenness before the end of working time. All seams and cold joints should run parallel with traffic patterns.

CLEANING OF TOOLS

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

TECHNICAL SPECIFICATIONS

No. of component		Three
Mixing ratio		3:1:21 (A:B:C)
Compressive strength	BS EN12390	> 70 MPa (7 days)
in/in°F thermal compatibility to concrete	ASTM C-884	Pass
Linear shrinkage	ASTM C-531	0.0063%
Composite shore D durometer hardness	ASTM D-2240	> 90
Abrasion resistance	ASTM D-4060	0.202 grams max weight loss
Bond strength		> 2 MPa excellent - 100% concrete failure
Maximum temperature Continuous		66°C 150°F
(Dependent on service) Intermittent-immersion		93°C 200°F
Water absorption		< 0.5%

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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