

# AWAZEGROUT EP 300

High Performance, Three-Part Encapsulation Epoxy Grout

# AWAZEGROUT

## THIS PRODUCT

AWAZEGROUT EP 300 is a three component, solvent free, high-build, high-strength epoxy resin system designed for the encapsulation of pile-head in sub-structure construction works. The product has an excellent bearing capacity to support the applied structural load. AWAZEGROUT EP 300 bonds tightly to the pile-head surface thus stops potential leakages that may occur due to capillary rise through the pile member. Due to its compatibility with most waterproofing material used for pile-head waterproofing AWAZEGROUT EP 300 plays a significant role in complementing the waterproofing assembly and protects it against possible damages that maybe incurred by the steel rebars. AWAZEGROUT EP 300 is supplied in a pre-measured ready-to-use packs with high flowability for ease of application.

## USES & APPLICATIONS

- Pile-Head encapsulation
- Void filling in structural repairs
- Installation and anchoring of starter bars

## SUPPLY & PACKAGING

- 3 Part (Base, Hardener & Aggregates)

## HEALTH & SAFETY

- All safety measures should be observed during installation
- Installation personnel should wear protective gear at all times during installation. For more information on safety measures consult the product's Material Safety Data Sheet.

## STORAGE & HANDLING

- Material should be kept in original packing in a properly ventilated shaded area.
- Keep away from any possible rain, moisture or water sources.

## ADVANTAGES

- Solvent-free
- High compressive strength
- High load-bearing ability
- High physical and mechanical properties
- High resistance to chemicals (acids & alkalis)
- Moisture tolerant
- Rapid hardening
- Impact, abrasion & vibration resistant

## TYPICAL INSTALLATION PROCEDURES

- **PREPARATION:** Ensure the substrate is clean and free from any contaminating elements.
- **MIXING:** Pour AWAZEGROUT EP 300 base (Part "A") into a clean container and mix using a slow-speed mechanical mixer (300 rpm) for 2 minutes.
- Add AWAZEGROUT EP 300 hardener (Part "B") and mix for another 3 minutes.
- Add AWAZEGROUT EP 300 aggregates (Part "C") slowly and continuously into the container and mix the 3 parts together until a uniform and homogeneous mix is attained.
- Seal around the formwork tightly using a sealing tape or other material prior to pouring AWAZEGROUT EP 300 to sustain water within the formwork and avoid loss of material.
- **POURING:** Immediately after mixing pour the mix into the formwork starting from the lowest point. Do not pour from a high point to avoid air entrapment.

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**AWAZEGROUT****CHARACTERISTICS (Typical at 25 °C)**

PROPERTY	TYPICAL VALUE	TEST METHOD
Flexural strength, 7 days	25 N/mm <sup>2</sup>	BS 6319-3
Tensile strength, 7 days	15 N/mm <sup>2</sup>	BS 6319-7
Bond strength, 7 days	> 2.5 N/mm <sup>2</sup>	ASTM D4541
Compressive strength, 7 days	> 75 N/mm <sup>2</sup>	BS 6319-2
Mixed Density	2.10 kg/ltr +/- 0.10	ASTM D1475
Water penetration	Nil	BS EN 12390-8

*NOTE: The above information are provided to the best of our knowledge at the time of manufacturing. Values may vary within tolerance due to raw material changes and/or unforeseen circumstances. AWAZEL Company reserves the right to alter the product's specification without prior notice. Extra details maybe provided upon request.*

**ATTRIBUTES**

Supply form	THREE PART (PART A- Base), liquid (PART B- Hardener), liquid ( PART C- Aggregates), fine granules
Yield	14 L
Application thickness	10- 75 mm in single application
Pot life	45 +/- 10 min.
Application temperature	+5°C to +40°C

**COVERAGE**0.2 m<sup>2</sup>/ltr at 5 mm thickness**DISCLAIMER**

Since application is conducted beyond our control, AWAZEL company shall not be responsible for improperly applied or misused products.