



# ADVAMIX

*Advanced Building Materials*

## Adva-Poxy 300

### Product Description

**Adva-Poxy 300** is a three – components (3K), water cleanable, chemical resistant, fast-setting, shrinkage-free epoxy-based adhesive and grout that will bond strongly to the most of clean and sound surfaces. **Adva-Poxy 300** is a factory-proportioned kit consisting of three-component products based on a solvent-free epoxy resin, hardener and chemical resistant filler to provide maximum workability, excellent adhesion, and high chemical resistance. It can be used in interior and exterior on walls and floors application in wet and dry areas. It is available in a range of standard colors and special colors subject to minimum order quantity.

### Features and Benefits

- Comply with ANSI A118.3 requirements .
- Ideal for installing moisture sensitive marble and agglomerate tiles .
- Excellent mechanical and chemical resistance, therefore long-lasting durability .
- Easy workability and water cleanable product .
- Bonds very well to different substrates .
- High strength & fast setting .
- Ideal for the installation of mosaics, resin backed tile, agglomerates and natural stone .
- Ideal for grouting work especially in wet areas and swimming pools .
- Suitable for interior/exterior application .

### Where to use

- For heavy duty commercial chemical resistant tile and stone installations .
- Indoor and outdoor grouting work .
- Repairing cracks on concrete floors, spalls or holes in concrete .
- Patching and repair: concrete surface patching for walls and floors, pile cap repairing .
- Excellent benefits & durable in swimming and leisure pool .
- Recommended for wall and floor tiling, where hygiene is of prime importance .
- Areas that required a high chemical resistance .

### Limitations

- Do not install when surface temperature is below 15°C or above 35 °C.
- Do not use the product after it becomes difficult to apply. Prepare a fresh mixture.
- Do not mix with others chemical or filler .
- Do not apply over substrates containing asbestos .
- Do not overmix or overwork .



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## Surface Preparation

The surface should be sound, dry, clean and free from loose material, grease, laitance, dirt curing compound, efflorescence, varnish, wax, oil, and gypsum residues. The surface should be swept to remove any loose material before applying **Adva-Poxy 300**. Make sure that the substrate is a loadbearing surface. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate.

For grout application, the joints must be dry, cured, clean, free of dust and emptied at least 23/ of the tile thickness.

## Preparing the mix

Mix the factory-proportioned components once. The product consists of a resin ( Part A), a hardener (Part B) and a filler powder ( Part C) packaged separately. Follow the mixing ratios according to the manufacturer's instructions and add the hardener (Part B) to the resin ( Part A) firstly then pour the filler ( Part C) and mix . Use a low-speed electric drill to mix the three components thoroughly, until the mixture is completely homogenous, trowelable consistency and a smooth paste. For perfect mixing and avoiding overheating of the mixture, which could reduce the working time of the mixture.

## Application

### As an adhesive

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Apply the tile or stone under firm pressure to ensure good contact with the applied adhesive paste. After setting, bonding & adhesion becomes extremely strong and resistant to chemicals. Use the paste within 45 minutes from mixing time.



### As a grout

Spread the mixed paste of **Adva-Poxy 300** with an appropriate rubber float over the joints and making sure the joints are completely filled without leaving any gaps. Remove any excess of **Adva-Poxy 300** paste from the surface, by moving the float or the rubber squeegee diagonally to the joints while the mix is still fresh.

### Grout Cleaning

After grouting work, floors and walls should be cleaned immediately, before the product dries that takes place after approximately 3045- minutes from the application time, clean off the excess paste.

Wet the surface thoroughly and emulsify with an abrasive pad or hard sponge for cleaning joint and making sure not to wash-out the joints. When cleaning walls, the cleaning pad should be fully soaked with water. The excess liquid can be removed with a hard sponge, and should be replaced when too full of resin. Use the same type of sponge for the final tooling of the grout.

### Tools clean-up

Immediately clean tools and equipment with water before the material hardens. Hardened material must be mechanically removed.

### Note:

Installer is responsible for proper product application. Site visits by Advamix personnel or representatives are solely for the purpose of making technical recommendations, not for providing supervision or quality control. .

### Packaging

**Adva-Poxy 300** is available in 15 kg unit.

### Storage

**Adva-Poxy 300** kit is stable for at least 12 months when stored in a dry place & standard storage condition.



## HEALTH AND SAFETY

**Adva-Poxy 300** contains resin and hardener. Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. In case of contact with eyes immediately rinse with plenty of water and seek prompt medical attention. In case of contact with skin change contaminated clothing at once and immediately wash skin with plenty of soap and water. Wear suitable protective gloves (e.g., cotton gloves soaked in nitrile) and safety goggles/face protection. If ingested seek prompt medical attention and show packaging or this product data sheet. Keep out of reach of children.

