

BLUSKY™ POWERFIX ETA

Solvent free two part thixotropic Epoxy Tile Adhesive

Description

BLUSKY™ POWERFIX ETA is a solvent free thixotropic, two part epoxy adhesive especially formulated for bonding heavy duty ceramic tiles, marble ,granite slabs etc. on concrete/masonry substrates. It can be used for

1. Vertical surface like walls, tank linings etc.
2. Horizontal surface like floorings, basements, roofs etc.
3. Sloped /inclined surfaces like sloped roofs etc.

Indicative Characteristics

Mixing Ratio (Pack A: B), by wt.	2: 1
Pot life, minutes, at 30°C, ASTM C 881	Not less than 30
Open time, minutes, at 30°C	Not less than 60
Thixotropy (Sag), mm in 10 minutes, at 30°C, ASTM C881	Not more than 30
Shrinkage, ASTM D2566	Not More than 0.4%
Comp. Strength, 24 hours, MPa, ASTM D 695	>45
Comp. Strength, 7 days, MPa, ASTM D 695	>70
Shear Bond Strength, ASTM C 882	No joint failure at 8MPa (min.)
Specific Gravity	1.65 ± 0.2
Coverage, kg/mm ²	1.75

Domains of Application

Used as an Epoxy Tile Adhesive for masonry/concrete substrate and provides an excellent bond. It can be used as a bedding and pointing material for fixing stone, heavy duty ceramic and cement tiles, Marble, Granite slabs etc. on cementitious substrates .It can be used for Tile on tile application.

Method Of Application

Substrate Preparation: Concrete, mortar, stone, bricks : Substances must be sound, dry, clean and free from laitance, ice, standing water, grease, oils, old surface treatments or coatings and all loose or friable particles must be removed to achieve a laitance and contaminant free, open textured surface. Steel: Must be cleaned and prepared thoroughly to an acceptance quality i.e. by blast cleaning and vacuum. Avoid dew point conditions

APPLICATION CONDITIONS / LIMITATIONS :

Substrate Temperature - +10°C min. / +40°C max.
Ambient Temperature - +10°C min. / +40°C max.
Material Temperature - **BLUSKY™ POWERFIX ETA** must be at a temperature of between +10°C & +40°C.

Mixing

Part A : Part B = 2 : 1 (by weight)

Mixing Time - Mix parts A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 600 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. When using multiple units, one after the other, do not mix the following unit until the previous one has been used in order to avoid a reduction in wastage and handling time.

Tile/Granite /Marble bonding: Apply the mixed material to cement / concrete surface to a thickness of about 2to 3mm using trowel/blade. Fix the tile /marble/granite with in 30mts on the adhesive applied surface.

Application Method / Tools

Apply the mixed material on the surfaces to be bonded with a spatula, trowel, notched trowel, (or with hands protected by gloves). The joint should be closed immediately or within the open time of the adhesive (max 60 minutes).

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

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Advantages

- High bond strength.
- Non slump
- No primer required
- High initial and ultimate strengths.
- Impermeable to liquids and water vapor
- Chemical resistant and water resistant
- Suitable for dry and slightly damp concrete surfaces (Moisture tolerant)
- Hardening is not affected by humidity
- Thixotropic: non-sag in vertical and overhead applications
- Solvent free and chemical resistant
- Hardens without shrinkage
- Different colored Parts (for mixing control)

Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

3 & 6 kg Kit

Precautions

- Preferably store in sealed conventional containers, protected from extreme weather conditions.
- Over dosing of **BLUSKY™ POWERFIX ETA** will normally produce an increase in air content, workability together with loss in compressive strength.
- Clean all tools and application equipment with suitable solvent /Thinner. Clean immediately after use. Hardened / cured material can only be mechanically removed.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.bluskyscpl.com

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