

Product Data Sheet

GR- PU MORTAR



Non-Shrink PU adhesive Mortar and Grouting Compound.

DESCRIPTION:

GR- PU MORTAR adhesive mortar is pre-filled medium viscosity and solvent free, three components, basis of modified PU resin with an appropriate hardening system and selected fillers.

APPLICATION:

- Grouting for ceramic , synthetic and natural stone mosaic tiles.
- Used in floor & wall covering tiles in swimming pools, water tanks, laundries, bathrooms, kitchen & laboratories
- Excellent adhesive for a wide variety of materials like steel, concrete, marble, wood, polystyrene, ceramic, mosaic, ...etc.
- Filling and repairing cracks and voids in concretes.
- Repair edges and corners of stair cases, beams and columns

ADVANTAGES:

- Outstanding water repellent.
- Easy one step application.
- Permanent flexibility and wide service temperature range.
- Thixotropic nature (non sag), seamless membrane coating.
- Excellent adhesion properties and cover cracks up to 2 Cm.
- High chemical resistance to acids, alkaline and other corrosive soil salts

PHYSICAL PROPERTIES:

Test	Results
Color	Upon Request
Solid Content	100 %
Mixing ratio A:B:C (by weight)	(3 A : 1 B) : 4 C
Pot life at 25 °C	35 mins
Initial setting time	8 hours
Final setting time for full hardness	7 days
Compressive strength (ASTM D 695)	> 800 kg/cm ²
Flexural strength (ASTM D 790)	>400kg/cm ²
Minimum application temprature	15°C
Adhesive strength on concrete (ASTM C 882)	103 kg/cm ²
Rate of use (Theoretical)	2 kg/m ² / mm

MIXING AND APPLICATION INSTRUCTIONS:

- It is important that the area to be repaired to be dry, clean and free from dust, dirt and other impurities.
- The three components are supplied at the correct mix ratio.
- The hardener (component B) is poured into (component A) . Care must be taken that the hardener is completely emptied from it's container.
- Add component C to the mixture, mixing of the three components is best achieved using a slow speed mixer (maximum speed of 300 r.p.m) fitted with a suitable paddle , mix thoroughly the three components. Mixing is continued for approx . 3 minutes until the mixture has attained a homogenous appearance.
- The mortar is processed by casting in more than one layer (max.grout depth 5-6 cm) ensuring that the previous layers have initial hardened and cooled

STORAGE & SHELF LIFE:

- Shelf life : 12 months @ 25 °C.
- Storage: The container should be kept in sealed, dry, cool, well -ventilated place and stored in accordance with national regulations.

HEALTH AND SAFETY:

Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.

- Handle with care before and during use.
- During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.
- Recommended to use the product in wellventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- Keep away from the reach of children.

For environmental safety: please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.

Note: Wastes and empty containers should be disposed of in accordance with local regulations.