

#906 GEL EPOXY (GREY)

Fast curing epoxy adhesive gel

DESCRIPTION

#906 Gel Epoxy (grey) is a 100% solids two components, high modulus high strength, moisture insensitive fast setting epoxy adhesive gel.

WHERE TO USE

#906 Gel Epoxy (grey) is recommended for bonding new concrete to old concrete, repairing spalled, scaled and cracked concrete, structural bonding adhesive for vertical dowels and anchors, bonding of precast concrete units, steel plates or other metal sections to concrete and crack sealing for epoxy injection work. Setting EVA Foam into Expansion Joints.

BENEFITS

- excellent adhesion properties.
- very easy to mix and apply
- cures under cool, damp conditions
- rapid development of hardness and mechanical strengths
- moisture insensitive during the cure
- high shear and tensile strength

PROPERTIES (Tested @ 23°C (74°F))

Mix Ratio, by Volume	2 parts A:1 part B
Viscosity (Mixed)	thixotropic paste
Pot-Life 100g	15 minutes
Initial cure	4 hours
Full Cure	7 days
Color	Grey

The above information is representative of typical values obtained under laboratory conditions. Variations can be expected due to on site conditions and/or other testing methods.

APPLICATION

SURFACE PREPARATION

Concrete should be sound and free from dust, loose particles and all foreign contamination. All concrete should be chemically cleaned or mechanically scarified for best results.

New concrete should be cured 28 days and any surface laitance or curing compound must be removed.

For anchorages, core holes should be scored, free of all dust and mud and dry for maximum bond. Holes should be a minimum of 4 mm greater in diameter than the anchor. Anchorages must be free of all rust, scale and mill oil. A solvent wash is recommended for all anchorages prior to installation. Fill holes to slight excess required, insert anchorage and rotate slowly to assure that no air pockets remain.

Steel surfaces should be free of dirt, grease, oil or rust. Blast surface using an angular medium such as aluminum oxide or grit to SSPC-SP10 standard, with a minimum profile of 2.5 mils. **Where sandblasting is not practical, the surface should be degreased and mechanically abraded to reveal continuous bright metal.**

MIXING

Premix each component separately before using. Combine 2 parts (by volume) of Part A with 1 part (by volume) of Part B. Mix with a low speed drill. Thoroughly blend the material until an even consistency is achieved, periodically scraping down sides and bottom of container. Apply as soon as possible as pot life is limited.

Mortar

Mix Part "A" and Part "B" as per the above instructions. Add 1-1.5 parts clean dry silica aggregate by volume. Add aggregate gradually and mix thoroughly. Use Ottawa #17 Sand for best results.

COVERAGE

- bonding Adhesive 2.0 m²/L (81.5 ft²/U.S. gal) (smooth surface).
- mortar (1 Part clean, dry, graded Silica sand @ 3mm (1/8") is approximately 0.3m²/L (12.2 ft²/US gal)
- adhesive for EVA Foam 3.79L (1 US gal) will adhere 36.5m (120 LFT of 50mm (2" deep)

PACKAGING

3.79L (1 U.S. gal) (Grey)

CLEAN UP

Clean all equipment with CPD® Xylol before epoxy hardens. CPD® Xylol is a flammable solvent. Read the Safety Data Sheet before using.

STORAGE

Store in a heated warehouse. Storage at temperatures below 4.5°C (40°F) may cause the resin to crystallize.

SHELF LIFE

Two years if kept in original unopened containers under normal warehouse conditions.

SAFETY PRECAUTIONS

Consult Safety Data Sheet for specific instructions. SDS #77,78

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

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