

Description

Galaxie UEP is a high modulus, high strength, universal epoxy paste designed for the rapid surface sealing of cracks prior to injection. Used for surface spall repairs and bonding new concrete to old. It is moisture insensitive and will cure in a damp environment.

Clean, dry, silica sand may be added to develop a non-sag gel mortar capable of overhead and vertical patching in layers up to two inches thick

Benefits

- Excellent adhesion
- Non-shrink
- Simple mix ratio ensures uniform mixing

General Application

- Surface sealing prior to injection
- Patching spalls, honeycombing and popouts
- Setting vertical and horizontal anchor bars
- Bonding similar and dissimilar materials to concrete
- Post tension anchors

Application Guidelines

As with any Epoxy Resin system, surface preparation is critical. Clean surface with solvent or other mechanical means. There should be used to clean surfaces. All loose or unsound material must be removed. If patching, the outer perimeter of the spall should be saw cut or chipped to near vertical. Surfaces should be dry and dust free to ensure a superior bond.

This product will cure in the presence of moisture although application onto wet surfaces is not recommended. The material can be applied easily with a trowel or putty knife.

Mixing should always take place at a ratio of 1 part A: 1 part B by volume using a drill with a mixing attachment or mix by hand. Mix material for no less than two minutes. Longer mixing times may be required in cooler weather. The material can be applied easily with a trowel or putty knife.

Subsequent Finishes / Ongoing Maintenance

All equipment and tools are to be cleaned using Galaxie EP Cleaner.

Technical Data

GALAXIE UEP	
Colour	Grey
Density	1.4kg/litre
Mix Ratio	1:1 by volume
Pot Life (85g)	20 minutes
Gel Time (0.1mm)	25 minutes
Final Cure	1 day
Viscosity	Smooth paste
Hardness	80 (Shore D)
Elongation	1 - 3%
Tensile Strength, 4hours	10 N/mm ²
Compressive strength	
4 hours	20 N/mm ²
24 hours	25 N/mm ²
7 days	50 N/mm ²

All technical data stated herein is based on tests carried out under laboratory conditions at 25°C

Packaging

Galaxie UEP is supplied in 10kg pack. Packaging size may vary subject to local regulations and requirements.

Storage

Galaxie UEP should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

Health & Safety

Galaxie UEP should only be used as directed. We always recommend that the Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. Please contact Galaxie or your local representative for the current SDS.

