



Ronabond EP 31UW

Structural Epoxy Adhesive

DESCRIPTION

Ronabond EP 31UW is a two component, non sag multipurpose structural adhesive. Ronabond EP 31UW epoxy paste is suitable for a variety of uses including bonding cement, stone and ceramic elements and adheres and cures in damp or submerged conditions.

Ronabond EP 31UW has a creamy texture and is easy to work and has excellent mechanical properties with high compressive, flexural and tensile strengths.

ADVANTAGES

- Simple 1:1 Mix ratio by either weight or volume
- Long pot life
- High mechanical strength
- Will adhere to wet surfaces and cure underwater
- Thixotropic non-sag paste
- Good chemical resistance

USES

- General purpose structural adhesive
- Bonding segmented pipes and panels
- Tile adhesive
- Rock bolts and anchors
- Starter bars and dowels
- Marine repairs or construction

TECHNICAL DATA @ 25°C

Colour	Grey
Viscosity	Pumpable
Density	1.45
Pot life	20 – 30 minutes
Application temp.	5°C to 40°C
Coverage (typical)	400 - 800 gm/m ²
Minimum cure time (ISO291)	6 hours
Full Cure	3 days
Compressive strength	100 – 120 N/mm ²
Tensile strength	15 – 17 N/mm ²
Flexural strength	20 – 30 N/mm ²
Flash Point °C	A:172 B:140

APPLICATION

Ensure both surfaces are as clean and dry as possible. Use acetone or equivalent to remove all traces of grease, oil and dirt if possible. Do not use alcohol, petrol or paint thinners to clean surfaces. In submerged environments ensure that the surfaces are as clean as possible.

Optimum final strength is obtained by mechanical abrading or etching of both surfaces. Always repeat solvent wash after any mechanical abrading if possible.

Mix A and B components 1:1 by volume or weight until a consistent grey colour is obtained. Note that final cured strength will be adversely effected if components are mixed in any other ratio. In extreme cases Ronabond EP 31UW may fail to set up.

CLEAN UP

Use either warm water and detergent to clean tools and small spills. Consult Materials Safety Data Sheet for large spill clean up procedure.

SAFETY

- Avoid contact with skin & eyes.
- Wear safety glasses, gloves and overalls.
- Avoid inhaling vapours.
- Read the Health & Safety data sheet before use.

STORAGE

- Store at between 10°C and 40°C.
- Keep containers closed when not in use.
- Stir well before use.
- Shelf life at least 24 months in unopened containers.

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