

MONNELI POXYCOL WB

Water Cleanable Solvent Free Epoxy Adhesive

Product Description

POXYCOL WB is a two part solvent free epoxy adhesive, formulated for chemical resistant bonding of ceramic coverings. It is also suitable as a multipurpose adhesive for bedding and repairs and will bond to most sound and clean dry surfaces. The adhesive spreads easily and cleans with water while fresh.

Uses

POXYCOL WB is ideally suited for heavy duty commercial installations indoor & outdoor where materials are exposed to high trafficking, thermal shock, chemicals, permanent wet areas such as:

- Commercial kitchens
- Swimming pools and fountains
- Food processing plants, dairies, Breweries
- Hospitals and health care facilities
- Service Facilities: Car parks, petrol stations

It is also recommended for installing the following:

- Marble
- Ceramic or mesh mount glass
- Mosaic tiles over cured concrete
- Cured plaster
- Dry wall
- Terrazzo
- Masonry surface
- Ceramic backer board
- Fiber glass laminates
- Existing ceramic tiles

Advantages

- Suitable for application in horizontal & vertical surfaces
- Suitable for wet area application
- High bond strength
- Rapid load bearing strength
- High resistance to a wide range of industrial chemicals
- Solvent free
- Water cleanable, no flammable solvents required to clean tools or finished work

Instructions for Use

Surface Preparation

All Surfaces should be structurally sound, clean, dry free from dust, grease, oil, laitance, curing compounds and all other contaminants likely to prevent the adhesive bonding.

Concrete surfaces: New concrete should have a compressive strength of 20Mpa minimum. The surface should have a fine wood floated or lightly broomed finish and be 28 days old.

Mixing

The base and hardener components should be individually stirred to re-disperse any settlement. Transfer Part B into the can of Part A and mix thoroughly using a slow speed electric drill with a paddle attachment. Scrape the sides and bottom of the can to assure complete mixing until a uniform consistency and color is obtained.

When less than a full unit is mixed, use 2 parts by weight of part A to 1 part by weight of part B. Tiles should be placed within the open time of the adhesive.

Application

Spread the mixed adhesive on surface to be tiled with a notched trowel, large enough to give 100% coverage when tile is pressed into the adhesive.

Place the tiles onto the adhesive bed. Apply sufficient pressure on the tile during fixing it with slight twisting movement in order to ensure good contact with the adhesive.

In case of large size tiles, it is necessary to spread the adhesive also to the backside of the tile and then place the tiles into the adhesive bed.

Apply enough material that can be tiled during the adhesive's open wet time. Spreading large areas may result in drying the adhesive before tiles can be fixed causing poor adhesion.

Finishing

Remove excess adhesive with damp cloth before the material has set. Joint grouting between tiles may be commenced 24 hours after tiles are laid on the floors.

Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed.

Recommendations

- Do not apply during high winds and sand storms
- Do not apply under direct sun, high temperature reduces pot life.

Applicable Standards

- ANSI A 118.3
- EN12004 R2T

Consumption

From 3.5 - 5 kg/m² according to the type of tiles and substrate conditions.

Packaging

POXYCOL WB is supplied in two can package 5kg and 10kg kit.

Technical Data

Properties	Results
Color	Grey or White
Density	1.57 kg/L
VOC	<3.0 g/L
Pot life @ 25 deg cel.	60 minutes
Compressive strength	51.0 N / mm ²
Tensile adhesion strength	2.2N / mm ²
Flexural strength	14.0N / mm ²
Slip resistance	< 0.3 mm
Chemical resistance	Dilute acids and alkalis, hydrocarbon fuels, solvents, oil, sea water
Temperature of application	+5°C to 35°C
Service temperature	-5°C to 80°C

All values are subject to 5-10 % tolerance

Storage

Store in dry and covered place out of direct sunlight and protect from high temperature (higher than +35°C).

The product maintains its stability for 12 months in unopened condition and if stored as per recommendation.

Health & Safety

Avoid contact with skin & eyes. Protective clothing such as gloves & safety goggles should be worn during application.

Treat any splashes to the skin or eyes with fresh water immediately.

Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure adequate ventilation at site and avoid inhalation of vapours.

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