

Teknobond 401 W

Cartridge Type Anchoring Epoxy for Wet Application



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Product Description Epoxy acrylate based, two component, moisture tolerant, thixotropic, fast curing, anchor material.

Areas of Usage

- Accessories and connecting rods; concrete, hollow or filled bricks and so on. in their anchors and in repair.
- In metal sprout cultivation, prefabricated element anchors, fixing of injection pakers and apparatus,
- In anchors of bolts and pins, central heating ventilation, etc. installation of pipes and fittings.
- It is used for bonding all types of building materials.

Features and Benefits

- It hardens very quickly and gains mechanical strength very quickly.
- Its application is easy, it saves time.
- It is pasty, does not sag; can easily be used in overhead applications.
- Protect equipment against corrosion.
- It has high resistance against chemical substances.
- It can be easily applied even on moist surfaces.

Application Instructions

Surface Quality: The application surface must be free of all kinds of dust, dirt, weak and loosing particles, cement grout residues, oil and grease and be dry. The concrete lower surface must be clean, strong and have sufficient compressive strength.

Surface Preparation: The application surface should be cleaned using methods such as applying compressed air to maintain maximum adhesion strength.

Surface and Ambient Temperature: +5°C min. +35°C max.

Application Instructions: Open the cover by turning and remove, install the static mixer. Place the cartridge in the gun and start applying. When the application is interrupted, the static mixer tip may be left on the cartridge after the pressure in the sprayer has been drained. If the resin has hardened in the static mixer, a new insert must be fitted before starting work. When storing an opened cartridge, remove the static mixer by rotating it, clean the cartridge mouth with a clean, dry cloth, and close the lid.

Application Method / Equipment: Drill the hole in the required diameter and depth with hammer drill. The hole diameter and depth should be according to the size of the anchor element to be used. The opened hole should be cleaned starting from the bottom with a round wire brush and compressed air. No foreign matter such as dust, dirt, oil, etc. should remain. Press the trigger until the two separate components in the cartridge come out of the static mixer. Slowly pull out the cartridge while inserting the resin, beginning at the bottom of the hole. Make sure there are no air gaps inside.

Extension tip can be used in deep holes. Insert the anchor element by rotating. Once some resin has come out, the anchor element should be placed in the hole in the resin gelling period. During hardening the anchorage element must never be moved or loaded. Work clothes and protective gloves, glasses and gloves suitable for work and worker health should be used during application. Due to the irritating effects of cured materials, the components should not come into contact with the skin and the eye, and should immediately be washed with plenty of water and soap in case of contact.

Cleaning: Parts in contact with the skin and hands should be washed with water and soap. In case of contact with eyes, consult a doctor.

Cleaning of Equipment: Immediately after application; Instruments should be cleaned with Tekno Thinner The hardened epoxy mortar can only be mechanically cleaned.

Potlife: ~ 8 minutes at 20°C

Cleaning Time: ~ 10 minutes at 20°C

Application Notes / Restrictions

- Use anchoring anchors (bricks or blocks) to fix anchoring material to hollow material. Do not use the first mix out of the gun. Do not use the first mixture out of the gun.
- Contains styrene.
- Combustible.
- Harmful by inhalation. Skin and eyes may be irritated.
- Keep away from children's reach.
- Do not breathe.
- Use only in well-ventilated area.
- The product may irritate skin. Protective gloves, masks and goggles should be used. Hand protection cream may be applied before starting work. In case of grout contact with eyes, eyes should be washed immediately with warm water and consult a doctor.

Technical Data

General Information		
Full Cure	7 days	
Recoatability	1 hour	
Service Temperature	0°C to + 80°C	
Pressure Resistance (7 days)	$\geq 70 \text{ N/mm}^2$	TS EN 196-1
Adherence (concrete surface, 7 days)	$\geq 3,0 \text{ N/mm}^2$ (Rupture from Concrete)	TS EN 4624
Bending Strength (7 days)	$\geq 20 \text{ N/mm}^2$	TS EN 196-1
Extraction Strength	$\leq 0.6 \text{ mm}$ (under 75 kN load)	EN 1181
Tensile Load Impact Creep	$\leq 0.6 \text{ mm}$ (after 3 months under 50 kN load)	EN 1544
Standard	According to TS EN 1504-6	
Packaging	410 ml cartridges	
Shelf Life	Closed and sealed in original package, away from sunlight, 9 months from date of production.	

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity.

Surface Temperature (°C)	Workability Time (min)	Curing Time (min)
-5	50	90
5	12	50
15	6	35
25	3	30
35	2	25

