

EPOX 307

Epoxy-Acrylate Based Chemical Anchor

Description

EPOX 307 is an epoxy acrylate based chemical anchor for building anchor applications.

Fields of Application

- Heavy load-carrying joints in solid stone and concrete.
- Used as a repair mortar or adhesive mortar for concrete components.
- Joints of anchor rods, threaded collar, reinforcement bars, profile etc.
- Medium-load applications in hollow-bricks.
- For fixing of wooden construction, metal construction, metal profiles, pipe connections, facades, windows elements etc.

Features and Benefits

- Cures quickly.
- Easy to apply.
- Highly resistant to chemicals.
- Can be applied on moisture surfaces.
- Remains the color.
- Excellent adhesion on concrete, natural stone, granite, cavity blocks etc.

Technical Data

Physical Properties

Content	Epoxy Acrylate
Color	Light Grey (mixture)
Density	1,62±0,03 g/cm ³ (A component) / 1,30±0,03 g/cm ³ (B component)
Full curing	7 days
Application Temperature	+5°C to +35°C
Temperature Resistance	-30°C to +100°C
Service Temperature	0°C to +80°C
HS Code	3214.90.00.00.19

Base Material Temperature (°C)	5	15	25	35
Working Time	12'	6'	3'	2'

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Curing Time	50'	35'	30'	25'
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Tensile Load for Concrete

Ore Diameter (mm)	Min.Perforation Diameter (mm)	Hole Depth (mm)	Min.Tensile Load (kN)
8	10	80	7
10	12	100	11
12	14	120	16

Application Procedure

Preparation of Substrate

Holes or channels must be drilled into the existing concrete. Dust in these holes or channels must be removed.

Application Method

Remove the cap of the cartridge and cut the foil. Place the static mixer on the top of the cartridge. Place the product in standard cartridge gun. Drill a hole suitable diameter for the anchorage rod (by using a driller) Clean the hole from dust, grease and dirt by using a brush or air flow. Dispense the product until it becomes completely grey (about 10–15 cm) and don't use unmixed part. The product is filled until 2/3 of the hole. Place the anchorage rod to be fastened rotating. Product's curing must complete for service to open.

Consumption

Depends on usage area.

Packaging

300 ml cartridge
345 ml cartridge

Shelf Life

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12 months in original, unopened package.

Storage

Store in dry area between +5°C and +25°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with industrial type solvents immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +10°C and above +30°C.
- Avoid heavy traffic for 24 hours.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.

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