

Joint filler for mineralic substrates

Description

Highly elastic, modified methacrylate resin for jointing and sealing of mineral surfaces. Ensures a permanent elasticity and a better absorption of underground movements.

Properties

2-component MMA (methyl methacrylate)

Komponente A Resin:

Modified Methacrylatresin highly elastic.

Komponente B Hardener:

Dibenzyl peroxide as starter of the hardening mechanism.

Komponente B Hardener is mixed with Komponente A Resin and sets off a chain reaction and can therefore be regarded as the initiator for a chemical reaction.

Characteristics of OBTEGO X-200 in hardened state

Property	Measuring method	Value
Adhesive pull strenght	DIN ISO 527	approx. > 2 N/mm ²
Tensile stress at break	DIN ISO 527	approx. 3,3 n/mm ²
Crack bridging		approx. 1,55 mm
Elongation break	DIN ISO 527	approx. 157%

Application

OBTEGO X-200 Kartusche is used as joint filler on concrete and cementitious substrates. For indoor and outdoor use.

Application fields are joints and cracks on all cementitious substrates like industrial floors in logistic centers, super markets, and private areas.

Processing

1. The surface to be treated must be solid, clean, dry, absorptive and free of efflorescence, release agents, sintered layers and other undesirable contaminants. Residual moisture must be measured before applying the product. The residual moisture must be <4 CM%, otherwise coloring differences could appear later (patchiness). No rising moisture (according to ASTM D4263 (PE-foil test)). (TRAMEX device ≤ 6%-M display value).

2. Use OBTEGO X-100 to prime the surface. Let it dry completely. Please refer to technical datasheet of OBTEGO X-100.

3. Put sealing cord or similar into the joint. Guideline ratio for sealants: approx. 1:1 to 1:2 (width : depth of the joint sealant).

Joint:

4. Remove the protective cap from the cartridge. Insert the cartridge into the gun. Screw the supplied static mixer onto the cartridge. Squeeze the trigger until the material comes out. The

static mixer must be completely filled with material. Discard the first 10 ml. Once the material is coming out of the static mixer in a uniform consistency, fill the joint evenly, allowing for a slight excess.

7. Immediately after completing the work, remove and dispose of the static mixer. Replace the protective cap on the cartridge.

8. OBTEGO X-200 run steadily into the joint with slight excess.

9. After curing use a floor scraper to remove excessive material from the joint. Depending on how the material is drying, take care not to remove the excess too early or too late. Recommendation: The material is easiest to remove whilst it is still viscoelastic (as a guide, this is approximately 1-1.5 hours at room temperature).

Note: Protect adjacent surfaces against splashes.

Operating temperature: 10-30 °C ground temperature

Productiveness

Following reference values are supposed.

Joint: Assumption: Joint size 10mm (width) x 15mm (depth) x 1m (length) = 150 ml (volume of joint) x 1,5 factor = 225 g/linear meter (including the excess). This is equivalent to approx. 200 ml.

The density of the sealant, when mixed with the hardener, is approximately 1.15 g/ml.

Storage

Store OBTEGO X-200 Kartusche in a cool, well-ventilated place. Store only in the original container; it can be stored in the original container for approximately 6 months at 10-25 °C. Protect from direct sunlight.

Environmental Protection

Not empty into drains.

Water hazard class:

Komponente A Resin: WGK 1 (slightly hazardous to water)

Komponente B Hardener: WGK 2 (highly hazardous to water)

Waste codes/waste designations according to EWC/AVV:

Komponente A Resin:

07 02 08* other still bottoms and reaction residues. (* Evidence for disposal must be provided.) Dispose of waste according to applicable legislation.

Komponente B Hardener:

16 09 03* peroxides, for example hydrogen peroxide. (*Evidence for disposal must be provided.) Dispose of waste according to applicable legislation.

Containers must be emptied completely (free of drips, free of residue, and scraped clean). Containers should preferably be reused or recycled in accordance with the applicable local and national regulations.

Safety

OBTEGO X-200 Kartusche is harmless to health after curing. A good ventilation should be provided during and after the processing. Additionally wear protection equipment (e.g. Suitable respiratory protection apparatus: Filter A).

Ingredients:

Komponente A Resin: 2-ethylhexyl acrylate, methyl methacrylate, 1,4-butanediol dimethacrylate

Komponente B Hardener: dibenzoyl peroxide

Classification and Labelling according to Regulation (EC)

No. 1272/2008 [CLP]:

Komponente A Resin:



Danger

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. Contains 2-Ethylhexylacrylat, 1,4-Butandiol dimethacrylat, Methylmethacrylat, N-Hydroxy-ethyl-N-methyl-p-toluidine. May produce an allergic reaction.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing and eye protection/face protection. In case of fire: Use sand, earth, extinguishing powder or foam to extinguish. Store in a well-ventilated place. Keep cool. Dispose of waste according to applicable legislation.

Komponente B Hardener:



Warning

May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original packaging. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing and eye protection/face protection. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use Water spray, Carbon dioxide (CO₂), alcohol resistant foam to extinguish.

GHS CODE: RMA10 Coatings, containing methylmethacrylate, irritant

Identification marking for transport:

Komponente A Resin:

PU	PU marking	Transport documents
	class 3 UN1866	yes, UN1866 RESIN SOLUTION; class 3 Packing group II

Komponente B Hardener:

PU	PU marking	Transport documents
	class 5.2 UN3105	yes, UN3105 ORGANIC PEROXIDE TYPE D, LIQUID (Dibenzoylperoxid; Benzoylperoxid); class 5.2

Packaging Unit (PU)

OBTEGO X-200 Kartusche
(in a set with 2 static mixers)

490 ml cartridge

This information should only be a non-binding advice. The use of the products is based on local circumstances and on the surface itself. If there is no experience, and in cases of doubt, we recommend to try the product on a inconspicuous spot.