



Further information can be found in the safety data sheet.



# DESOL ANCHORNOX® DRY MORTAR

## Technical Data Sheet

No: 56378 | 56400

### Cementitious Mortar

#### Delivery form

15 kg bucket, 25 kg sack

#### Storage

12 months, keep cool, dry and frost-free in original closed container

#### Usage

- Injection and filling for wall anchor systems such as the DESOL Anchor Stocking System
- Injection and filling of anchorings in rock walls, natural rock and masonry
- Suitable for working in overhead situations

#### Properties

- Good flow characteristics, slump test results 270 mm
- No sedimentation, stable consistency, suitable for use in machines
- Cementitious and chlorid-free
- Controlled expansion, strong and stiff
- High stability in the early and final stages, high bond tension
- Low water-cement ratio
- Fulfills the requirements of construction material class A1 (inflammable) in accordance with DIN 4102-1 and EN 13501
- Production monitored to meet valid norms and regulations as well as certified in accordance with ISO 9001
- Factory-owned quality assurance in accordance with the German Commission for Reinforced Concrete's guidelines for manufacturing and usage of cementitious mortars
- Test report: MPVA Neuwied No. 6-21/1938b/12
- Test report: Bauhaus Uni Weimar Fingerinstitut FIB-AN 040-14
- Resistant to changes in temperature in accordance with DIN EN 13687-3
- Sulfate-resistant

#### Technical Data

Particle size	0 – 0,5 mm
Amount of water required	2.6 – 2.7 l / 15 kg bucket 4.3 – 4.6 l / 25 kg sack
Consistency	flows well
Density of fresh mortar (DIN EN 1015-11)	approx 2 kg/dm <sup>3</sup>

#### Compression strength (DIN EN 1015)

after	1 d > 0.5 N/mm <sup>2</sup>
after	7 d > 27.0 N/mm <sup>2</sup>
after	28 d > 41.5 N/mm <sup>2</sup>

#### Bending tensile strength N/mm<sup>2</sup>

after	1 d > 0.5 N/mm <sup>2</sup>
after	7 d > 5.1 N/mm <sup>2</sup>
after	28 d > 7.4 N/mm <sup>2</sup>

#### Preparation time

approx. 45 min (20 °C)

#### Expansion

+ 0.3 Vol. % / 24 h

The strength figures stated above are average values.

#### Preparation

##### MIXING

Mix DESOL AnchorNox® dry mortar with clean water (drinking water quality). Pour all but a small amount of the water into the mixing container. Add the mortar and, after mixing for 3 minutes, adjust to the correct consistency with the remaining water. Total mixing time approx. 5 minutes. The consistency must be checked using the Flow table test set (No. 68553) and is an essential part of quality control. The slump should measure 270 – 300 mm.

##### USAGE

The DESOL AnchorNox® Dry Mortar should be used within approx. 45 min. from preparation (at 20 °C). It should be applied promptly and without interruptions in order to prevent air being trapped inside. Depending on the project it might be recommended to have the available construction materials tested for plaster compatibility in a laboratory. Temperature range: +5 – +35 °C

##### RECOMMENDED EQUIPMENT

For mixing: DESOL PowerMix HZM-1 (No. 12690)  
DESOL PowerMix BRW-50 (No. 12085)  
For injecting: DESOL PowerInject SP20 (No. 13577)

#### Health and Safety

Avoid eating, drinking and smoking while working. Avoid getting mortar into water pipes or sewers. Wear suitable protective gloves and clothing while working.

Follow recommendations from the safety specifications.

While using these materials it is important to follow safety instructions, consider wearing protective glasses, gloves, ear protection, etc.

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