



Further information can be found in the safety data sheet.



DESOI SPIRAL ANCHOR MORTAR

Technical Data Sheet

No. 53030 | 53031

iBMB-MPA-TU Braunschweig – Test no 1065/7363 a
MFPA Leipzig – Test report U 2.1/06-351
MFPA Leipzig – Fire test acc. DIN EN ISO 11925-2, class E

Composition

Selected cements, selected fillers and additives

Delivery form

15 kg bucket | 25-kg-bag

Storage

12 months. Cool, dry, frost-free. In originally closed packagings.

Application

DESOI spiral anchor mortar is used to create a friction-type connection between the spiral anchors and the masonry. An object-related examination of the original mortar on possibly destructive effects of salts or gypsum / anhydrite fractions should be carried out.

Mixture

Mix the contents of the bucket (15 kg) with 2.25 l water in a clean container for at least 5 minutes using a mixing device (e.g. drill with stirrer, DESOI PowerMix ABR-1, DESOI DESOI PowerMix HZM-1). At an ambient temperature of 20°C, the processing time of the mixed material is approx. 60 minutes. The use of the spiral anchor mortar is not permitted at temperatures below 5°C and above 35°C. Immediately after use, the tools should be cleaned with water.

Substrate

The substrate must be clean and free of loose particles, dust, oil and other substances with separative properties.

Properties

- Shrinkfree
- High sulphate resistant
- Special additives grant a high adhesion
- For inside and outside use
- Easily workable

Technical data

Colour	red brown
Grain size	0 – 0.5 mm
Water addition	2.25 l/15 kg bucket 3.75 l/25-kg-bag
Productiveness	about 1.8 - 2 kg/running meter
Finished mixture	ca. 8.4 l/15 kg bucket ca. 14 l/25-kg-bag
Fresh mortar density	2.05 g/cm ³
Compressive strength (DIN 1164)	
after	1 day < 19 N/mm ²
after	3 days < 35 N/mm ²
after	7 days < 44 N/mm ²
after	28 days < 51 N/mm ²
Processing time	about 60 minutes (20° C)
Application temperature	+5 – +35°C

The technical data refer to +20°C and a relative humidity of 65 %. Lower temperatures increase, higher temperatures decrease the processing time.

Processing devices

Manual pointing gun (No. 13659, 13659-M),
DESOI PowerInject SP20 (No. 13577)

Occupational safety

Fresh mortar reacts alkaline. Wear suitable protective clothing, gloves and goggles!

When using the materials, adhere to adequate protective measures, if necessary, wear safety goggles, protective gloves, ear protection, etc.! This data sheet is based on comprehensive experience, is intended to provide information to the best of the knowledge, does neither substantiate a legal relationship nor an additional obligation from the purchase contract.
We guarantee the quality of our materials within the scope of our terms and conditions of sale and delivery. In order to reduce the risk of errors, restrictive indications are stated as well. Naturally, it is not possible to cover completely all possible current and future application and special cases. Specifications that can be assumed to be known by experts have been omitted. The user cannot be released from further enquiries in case of uncertainties, independent testing on site and professional processing.
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