



Spiral Anchor Mortar M20

Machine-workable jointing mortar with high sulphate resistance for embedding spiral anchors

Colour	Strength	Grain size	Availability
			Quantity per pallet 42
			Size / Quantity 25 kg
			Type of container PE bag
			Container code 25
			Art. no.
grey	M20	1 mm	1028 ■

Application rate

Approx. 1.7 kg/l void

Apply to a large enough trial area to determine the precise amount required.



Range of use

- Embedding spiral anchors for reinforcing cracked masonry



Property profile

- Single-component
- Machine workable
- Good flank adhesion
- High sulphate resistance and low active alkali content (SR/NA)
- Plastic-modified

Characteristic data of the product

Water requirement	14.0 - 14.5% corresponds to approx. 3.5 l/25 kg
Reaction to fire class	A1
Compressive strength (28 d)	≥ 20 N/mm ²
Maximum grain size	1 mm
External surveillance	GG-Cert
Bulk density of fresh mortar	Approx. 2.0 kg/dm ³

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- [Test report 1791/324/11 suitability test, MPA BS](#)
- [GG-Cert certificate](#)

Possible system products

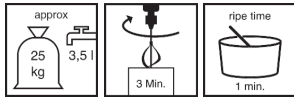
- [Spiral Anchor \(4331\)](#)

Preparation

- **Substrate requirements**
Clean, dust-free and capable of supporting a load.
- **Substrate preparation**
Joint depth min. 6 cm
Sanded joint sides can lead to lateral detachment.



Production of the mixture



■ **Mixing**

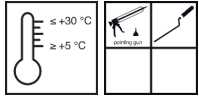
Pour water into a clean container and add dry mortar.

Mix thoroughly for approximately 3 minutes until the proper consistency for working has been achieved.

Maturing time: approx. 1 minute.

Mix again and, if needed, add a small quantity of water.

Directions



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.

Low temperatures increase, while high temperatures decrease the working and setting time.

■ **Working time (+20 °C)**

Approx. 60 minutes

Pre-wet the open, cleaned joint.

Inject the first layer of mortar into the joint such that it is free of voids and press the spiral anchor into the centre.

While the previous layer is still wet, apply the second layer of mortar such that it is free of voids. On fair-faced masonry, apply the material up to a level of 2 cm beneath the final surface and work with a jointing iron.

Wait at least 24 hours before applying subsequent layers.

Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar. Protect wet mortar surfaces against frost, rain and drying out too quickly for at least 4 days.

Notes

May contain traces of pyrite (iron sulphide).

Do not use on gypsum-based substrates.

The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.

Low chromate content in accordance with Directive 2003/53/EC.

The mixing water must be of drinking water quality.

Alkaline binders may cause a dissolution process on non-ferrous metals.

Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.

The relevant test certificates must be observed when planning and carrying out work.

Tools / Cleaning



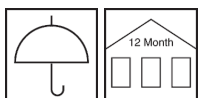
Mixer, jointing gun, jointing iron

Clean tools and equipment with water before the mortar sets.

Remmers tools

- > **Mischgefäß (4030)**
- > **Collomix® Stirrer KR (4292)**
- > **Fugenpistole™ (4321)**

Storage / Shelf life



If stored in an unopened container and in a dry place, the product will keep for approx. 12 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Declaration of performance

- > **Declaration of performance**



Declaration of conformity



0785

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GBI-P 36-3

EN 998-2: 2016-11

1028

Standard masonry mortar after suitability test for use in walls, pillars and partition walls made of masonry (interior and exterior components) that are subject to stability requirements.

Compressive strength:	M20
Bond strength:	$\geq 0.12 \text{ N/mm}^2$ Characteristic initial shear strength (adhesive shear strength) tested according to EN 1052-3 (method B) in combination with sand-lime brick according to EN 771 at an intrinsic moisture content of 3-7 % by mass
Chloride content:	$\leq 0.01 \text{ M.-%}$
Water absorption:	$\leq 0.25 \text{ kg}/(\text{m}^2\text{min}^{0.5})$
Water vapour permeability (μ):	15/35 (tab. value EN 1745)
Thermal conductivity ($\lambda_{10,\text{dry}}$):	$\leq 1.11 \text{ W}/(\text{m}\cdot\text{K})$ (tab. value EN 1745) for P = 50% $\leq 1.21 \text{ W}/(\text{m}\cdot\text{K})$ (tab. value EN 1745) for P = 90%
Durability (against freeze-thaw):	Resistant, when used acc. TDS
Fire reaction class:	A1
Dangerous substances:	NPD

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.