

# AVG-QM

## Anchor mortar

**quick-mix**  
A trademark of **sievert**



### Anchor mortar with high final strength

- very good pumpability
- one-component, cement-bound

no picture

### APPLICATIONS

- for use in mining, tunnel construction and special civil engineering
- for immediate bonding and working overhead in vertical drill holes
- for positive locking anchoring of all types of rock bolts

### PROPERTIES

- soft plastic consistency
- high early and final strengths
- high bond strength
- lower w/z-value
- shrink-free
- fire class A1 according to DIN EN 13501-1 (non-flammable)
- chloride-free
- for exposure classes > XA1 available as highly sulfate-resistant (SR cement) XA2 and XA3

### COMPOSITION

- high-quality binders according to DIN EN 197-1
- quartzitic aggregates (round grain) according to DIN EN 12139
- low-chromate

### PROCESSING

#### Applying

- The product is ready to use and only needs to be mixed with water (drinking water quality). Mix the complete container with the specified amount of water in a compulsory mixer for at least 3 minutes until homogeneous and convey with a suitable screw pump. In the case of the filling mortar method, the tie rod should be inserted into the drill hole directly after the filling process. High or low ambient, mountain and component temperatures influence the setting and hardening process and lead to a deviation from the above-mentioned mechanical properties of the mortar.

### PACKAGING

- 25 kg/sack

### STORAGE

- Store dry and as per instructions.
- If stored in its original packaging, the product will keep for at least 12 months from the date of manufacture.

# AVG-QM

## Anchor mortar

**quick-mix**  
A trademark of **sievert**



### QUANTITY REQUIRED / YIELD

- yield: app. 0,6 l/kg

### TECHNICAL DATA

<b>Exposure classes</b>	X0, XC1-4, XD1-3, XS1-3, XF1-3, XA1-3, XM1-2 (XA3 requires additional protection of the concrete, possibly a special report for special solutions)
<b>Water / solids value</b>	approx. 0.23
<b>Compressive strength according to EN 196-1 (1 d)</b>	≥ 25 N/mm <sup>2</sup>
<b>Compressive strength according to EN 196-1 (28 d)</b>	≥ 50 N/mm <sup>2</sup>
<b>Pull-out resistance</b>	≤ 0.6
<b>Chloride content</b>	≤ 0.05 % by weight
<b>Fire behaviour</b>	A1

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

### SAFETY AND DISPOSAL INSTRUCTIONS

<b>Safety</b>	<ul style="list-style-type: none"><li>■ This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.</li><li>■ Follow further instructions in the safety data sheet.</li></ul>
<b>GISCODE</b>	<ul style="list-style-type: none"><li>■ ZP1 (products containing cement, low-chromate)</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>■ Completely empty and recycle the packaging.</li><li>■ Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concreteste and concrete slurries).</li></ul>

### GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.