Technical Data Sheet

Properties:

AKEMI® Monument Filler is a creamy 2-component polymer mortar.

The product is characterized by the following properties:
- easy dosing and mixing by use of cartridge system
- form-fit between product, steel profile, stainless steel dowel and gravestone (compound)
- compound tolerates certain expansion effects
- deconstructable when using smooth-walled stainless-steel profiles
- very good outdoor durability
- easy dosing and mixing by use of cartridge system and clean processing
- water-free

Application Area:

AKEMI® Monument Filler is mainly used for anchoring gravestone systems in combination with stainless steel profiles (dowels/rods). When used in combination with smooth-walled stainless-steel profiles, it can be deconstructed. The anchoring falls into category “3.1.5 Anchoring” in accordance with the BIV guideline “Creation and testing of gravestone installations (as of 2020 7., revised edition).

Instructions for use:

1. Make hole according to characteristic value table (see e.g. BIV guideline “creation and testing of gravestone installations” point “3.1.5 Anchoring”, as of 2020 7., revised edition). We recommend an annular gap of maximum 3 mm.
2. Clean the drill hole with a brush and compressed air.
3. Remove the clasp from the cartridge and put the cartridge in the gun; work the grip **until material emerges from both openings**; then screw up the mixing nozzle. Do **not** use the first 10 cm pressed out of the mixing nozzle.
4. Apply the product into the drill hole. The mixture can be worked for approx. 15 minutes (20°C). Insert a threaded/ribbed steel profile or a smooth-walled stainless-steel profile.
5. After approx. 50 - 70 minutes (20°C), the hardened filler is loadable, after 24 hours (20°C) it is completely hardened.
6. Warmth accelerates, cold delays hardening considerably. Working temperature (cartridge, stone and steel profile) is +5°C - 35°C.
7. Tools can be cleaned with AKEMI® Nitro Thinner.

Special Notes:

- For professional use only.
- Filler which is already thickened or just gelling must not be used anymore.
- The provisions of the applicable cemetery regulations must be observed.
- **When using smooth-walled stainless-steel profiles**: to prevent the gravestone from rotating, it is recommended that two parallel anchors are fitted.
- **Threaded/ribbed steel profiles** can be used if deconstruction is not desired.
- Remove any standing water in the drill hole and dry with compressed air.
- Hardened Monument Filler can no longer be removed by solvents but only mechanically or by higher temperatures (> 200°C).
- Use AKEMI® original mixing nozzles only.

AKEMI GmbH · Lechstraße 28 · 90451 Nürnberg · Germany
Tel. +49(0)911-64296-0 · info@akemi.de · www.akemi.com

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- Take off the mixing nozzle after use and lock the cartridge with its closure. Before using a new mixing nozzle, it must be controlled that material can emerge from both openings.
- Within the EU: subject to the self-service prohibition regulation and shall only be sold by specialises sales outlets.
- For proper waste disposal, the container must be completely emptied.
- Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

Technical Data:

Colour:	concrete grey
Density:	approx. 1.63 g/cm³
Working time:	
at 10°C	25 - 30 minutes
at 20°C	13 - 17 minutes
at 30°C	5 - 8 minutes
Mechanical properties after 7 days hardening at room temperature: compressive strength DIN EN ISO 604:	55 - 65 N/mm²
Mechanical properties after 56 freeze-thaw cycles in accordance with DIN EN 12058: Compressive strength DIN EN ISO 604:	55 - 60 N/mm²

Storage: If stored in dry and cool condition (5 - 25°C/41 - 77°F) in its closed original container at least 12 months from production.

Health & Safety: Read Safety Data Sheet before handling or using this product.

Important Notice: The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information - as well as other oral or written technical advises - must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.

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