

Fugenmasse FM-310

Technical Datasheet

Characteristics:

- Grainy 1-component acrylic sealant
- Permissible movement capability 5 %
- Low odour
- Due to its grainy components it ideally assimilates to the stone structure
- Paintable with commercial dispersion paints
- Good UV-resistance
- Can be stored and transported in temperatures as low as -10 °C for up to 48 hours

Fields of application:

- For application in interior and exterior areas
- For filling joints and holes
- Smoothing out irregularities
- Impermeable to water up to 10 bar
- Movement compensating between fugues

Standards and tests:

- „Highly recommendable non-hazardous building product“ according to building material list (TOXPROOF) of the TÜV Rheinland, Germany
- French VOC-emission class A+
- Certified according to GOS

Important information:

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e. g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e. g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.

The sealant forms a firm skin at room temperature (23 °C / 50 % rh) after approx. 2 hours. Any rain impact or other impact of water must strictly be avoided until then. Lower temperatures and / or higher air humidity decrease the drying time of the sealant significantly.

Do not apply at temperatures below +5 °C.

Curing / drying leads to a colour change of the sealant. The final colour is attained after complete curing.

Compatibility with water-based paints is given in the majority of cases. Due to the variety of available paint systems, we recommend either to test the compatibility of sealant and paint or to contact our technical department.

Avoid contact with materials which contain bitumen and which release solvents, e. g. butyl, EPDM, neoprene, insulating- and bituminous paint.

After curing the product is completely odourless, physiologically harmless and unmodified.

According to relevant standards, elastic sealants should generally not be painted all-over, since mechanical stress and movement can cause cracks in the non-elastic-paints.

When painting the sealant in joints with little movement, a drying time of at least one week has to be observed.

Technical properties:

Skin-forming time at 23 °C/50 % RAH [minutes]	~ 10
Viscosity at 23 °C	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm ³]	~ 1,6
Shore-A-hardness according to ISO 868	~ 25
Permissible movement capability [%]	~ 5
Temperature resistance from/to [°C]	- 20 / + 130
Temperature resistance only temporarily (up to 2 hours if loaded daily) [°C]	+ 160
Shelf life at 23 °C/50 % RAH for cartridge/foil bag [months]	24 (1)

1) Frost-free storage

These data are not suitable for the issue of specifications.

Pretreatment:

The adherent surfaces have to be clean, free from dust and grease as well as sustainable.

All adherent surfaces must be clean and any contaminant such as release agents, preserving agents, grease, oil, dust, water, old adhesives or sealants and other substances which could affect adhesion, should be removed.

Absorptive, mineral substrates should be moistened with water to improve adhesion.

Very good adhesion on ceramic tiles and mortars. The sealant can also be used for connections to metals, if permanent temperature does not exceed +130 °C.

Application information:

Apply the sealant evenly with hand operated- or air-compressed gun, surface must be pressed smoothly and if necessary formed with moistened tools before skin forming begins. Remove uncured contaminants with water immediately.

Due to the many possible influences during and after application, the customer always has to carry out trials first.

Please observe the recommended shelf life which is printed on the packaging.

We recommend to store our products in unopened original packagings dry (< 60 % RAH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures / air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

Packaging:

310 ml cartridge, color white, Articlennumber FM-310

Safety precautions:

Please observe the material safety data sheet.

Disposal:

Information about disposal: Please refer to the material safety data sheet.

Warranty information:

All information in this publication is based on our current technical knowledge and experiences. However, since conditions and methods of use and application of our products are beyond our control, we suggest you to test the product before final use. Information given in this technical data sheet and explanations in connection with this technical data sheet (e. g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and conclusively. Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it. For the rest our general terms and conditions apply, in particular regarding a possible liability for defects.

You can find our general terms and conditions on our homepage: <http://www.imi-beton.com>