

Multicolor filler for creating decorative floor coatings

Characteristics

HADALAN® FMC 57DD is a special filler mixture for design floors and is a system product for the binder **HADALAN® MBH 12E**. The material comes in powdered form and is delivered in the correct ratio to the binder. The levelling compound made from the two materials is easy to work with and has an attractive finish. The surface has a 3D effect and creates an impression of depth.

Use

HADALAN® FMC 57DD is used in combination with the system product **HADALAN® MBH 12E** to produce decorative floor levelling compounds. Thanks to the low-emission EC1 Plus-conform formulation of the binder these floors are especially suitable for interiors which are particularly sensitive to pollution, e.g. hospitals, kindergartens or living areas.

Areas of Application

- Interior floor surfaces
- Office and business premises
- Exhibition area / showrooms
- Doctors' practices

Specifications

Packaging	Paper bag
Contents	15 kg
Delivery	34 bags/pallet
Density	approx. 1.45 kg/l
Form	granulous, solid
Colours	classic (light grey) contrast (anthracite) Further colours by request.
Working temperature	material, air and surface (substrate) temperature min. +12 °C - max. +25 °C
Walkable ¹⁾	after 12 hours
Mechanical load ¹⁾	after 3 days
Completely cured ¹⁾	after 7 days
As a levelling compound with HADALAN® MBH 12E	
Mixing ratio	1.7 : 1 part by weight
Density freshly mixed / ready for processing	approx. 1.49 kg/l
Shore D hardness ³⁾	85
Taber abrasion ²⁾	0.13 g
Taber abrasion with -Topcoat SG 10P²⁾	0.009 g
Processing time ¹⁾	30 minutes

Storage dry, at least 24 months

¹⁾ At +20° C and 60 % relative humidity.

²⁾ According to Taber CS 10/1000 U/1000 g

³⁾ Shore D hardness according to DIN 53505 (after 28 days at +20° C)

Preparation of the surface

The surface must be firm, capable of taking loads and must be constructed to take any future loads. The surface is primed with **HADALAN® MBH 12E** so as to close all pores. Then the levelling compound is applied, consisting of **HADALAN® MBH 12E** and the special filler **HADALAN® FGM003 57M** at a mixing ratio of 1: 1.5, to at least 1 mm thickness. This layer serves to level out the unevenness and differences in the surface.

Application

The surface must be pre-treated depending on the type of surface preparation. If the individual work steps cannot be carried out within 24 hours or if the surface is exposed to moisture in between the steps, then the floor to be treated should be lightly sanded to give a good bonding surface and the resulting dust removed. This also applies to the surface sealing.

1. Mix **HADALAN® MBH 12E** with **HADALAN® FMC 57DD** homogeneously at a mixing ratio of 1 : 1.7:
2. Spread the mixture with a **special rake** Article-No. 1041349 to give an even thickness (about 2 mm) and then aerate the floor with a **metal spiked roller** Article-No. 1041350 working crosswise and lengthwise.

The area can now be sealed with the corresponding protective top coat to give it the desired appearance or to give it a non-slip surface. We recommend the following sealants: Gloss: **HADALAN® Topcoat G 32P**, or Matt: **HADALAN® Topcoat M 12P**. Make sure you follow the instructions on the relevant data sheets.

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HADALAN® MBH 12E
HADALAN® FGM003 57M
HADALAN® Topcoat G 32P
HADALAN® Topcoat M 12P

Important notes

Always use material from the same batch. Because raw materials can never be exactly the same, there will inevitably be slight deviations in colour.

- Please pay special attention to the technical details regarding the system products used.
- Keep strictly to the mixing ratios shown.
- In warmer temperatures the processing times given will be shorter, and longer if the temperature is lower.
- Make sure you comply with the processing temperatures.
- Some traces may be still visible on the surface in the case of coatings which can be laid by hand. These are the result of the processing and are particularly evident in the case of powerful lights e.g. spotlights or light from the side, or in the case of large areas laid in sections; try out the system on a small test area as required.
- The relative humidity must not exceed 80 % and the temperature of the surface must be at least 3 °C above the dew point temperature.
- For large areas which are laid in sections only use material from the same batch.
- Scratches and traces of wear cannot be excluded if the surface is subject to a mechanical load or sanding. Please take suitable steps to reduce the tendency of the floor covering to form score marks and make sure the surface is well looked after (well cared for). One way to do this is to create cleanwalk zones.

Ingredients

Functional filler materials, additives

Safety provisions/recommendations

Make sure you comply with the standard hygiene regulations and with all the legal requirements which apply when handling chemical products. Wear suitable protective clothing

Disposal

The local waste removal regulations must be observed.

Manufacturer

Sievert Baustoffe GmbH & Co. KG
Mühlenschweg 6, 49090 Osnabrück
Tel +49 2363 5663-0, Fax +49 2363 5663-90
hahne-bautenschutz.de, info-hahne@sievert.de

HADALAN® FMC 57DD

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This information is based on extensive tests and practical experience. However, it cannot be applied to every type of application. If in doubt, we recommend that you test the product before using it. Due to continuous product improvement, this information is subject to change without notice. Our General Terms and Conditions apply.
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