Technical data sheet

Diessner Floor Paint

(Diessner Fußbodenfarbe)

Coating for floors

Water-dilutable floor paint for exterior and interior use

- Medium gloss
- Durable
- Elastic
- Good coverage
- Easy to handle
- Environmentally friendly because it is water-dilutable, low odour
- For interior and exterior use
- Easy to clean

Application
Diessner floor paint (Diessner Fußbodenfarbe) based on methacryl resin for floors made of concrete or cement screed for interior and exterior use. Diessner floor paint (Diessner Fußbodenfarbe) can be used in private and commercial areas such as floors in basements, work and hobby rooms with normal pedestrian load. For exterior use, only use on surfaces with a sufficient incline to allow water to run off.
Not suitable for surfaces used by vehicles, surfaces with standing water or continuous wetness, exterior surfaces touching the ground.

Technical data

Binding agent base	Methacryl resin base
Pigment base	Alkali- and light-resistant pigments, good abrasion-resistant fillers.
Gloss level	Medium gloss
Thickness	approx. 1.4 g/cm³
Colour	Standard colours: pebble grey, blue grey, concrete grey, stone grey, white The colours can be mixed at will in any ratio.
Tinting	Can be universally tinted in the factory using Diessner MIX. The supplied colours are to be checked for colour accuracy before painting. Please refer to BFS datasheet no. 25. The offered properties can change due to tinting.
Container size	5.0 and 12.5 litre containers

Diessner GmbH & Co.KG
Tempelhofer Weg 38-42
12347 Berlin
Telefon: 030. 60 00 02 -0
Telefax: 030. 60 00 02-88
www.diessner-farben.de

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Storage	Store cool but frost-free. Seal opened containers well and consume in short order.
Coverage	Depending on the absorbency of the substrate, approx. 150-200 ml/m² per coat on a smooth substrate, substantially more on textured surfaces. Test any object-specific deviations with a trial coat patch.
Product code **Colours and paint**	M-DF 01
VOC content	Class i type wb, VOV limit from 2010 = 40 g/l, max. VOC value < 10 g/l
Hazard identification	Not applicable
Declaration of ingredients	Methacryl resin, pigments, calcium carbonate, silicates, water, film forming aids, additives, preservatives. Advice for people allergic to isothiazolinone is available on telephone number +49 (0)30 60 00 02 49.
Disposal	Only completely empty containers should be passed on to recycling. Remaining liquid materials should be brought to an authorised collection point for old paint/varnishes. Dried material residues can be disposed of as hard paint or domestic waste. Waste key no. 080112 according to the AVV waste directory regulation.

Handling guidelines

Material preparation	Stir material thoroughly
Base coats	First level out highly absorbent substrates with Diessner Grundierkonzentrat (primer concentrate) with water 2:1 or 3:1 (primer concentrate:water) with water. First treat highly absorbent floors with Diessner Grundierkonzentrat (primer concentrate) with water 3:1 (primer concentrate:water) with water. The mixing ratio depends on the absorbency capacity of the substrate. The prime coat may not result in a glossy film. Interior slightly absorbent floors: Mix Diessner floor paint (Diessner Fußbodenfarbe) with max. 20 % water.

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Coating structure	Apply and distribute Diessner floor paint (Diessner Fußbodenfarbe) twice, richly and evenly and without dilution. Observe drying times between applications of the material.
Fibre embedding	Apply one coat of Diessner floor paint (Diessner Fußbodenfarbe), insert a plastic fleece (e.g. Trevira fabric), overlap the joint area by 5 cm. After drying, apply the second coat undiluted. Individual cracks can be covered along the course of the crack with a 20 cm wide textile strip. When embedding a fabric, it is possible that the seam is visible in acute angle light.
Method of application	With brush and roller, make sure material is distributed evenly.
Lower limit for application temperature	+ 8°C substrate and environment and drying temperature.
Dew point	During the handling and hardening, the underground temperature must be 3°C above the dew point.
Indoor climate	Humidity above 75% can lead to discolouration and loss of gloss. During the handling and drying, ensure good ventilation since humidity can otherwise accumulate and lead to reaction problems.
Drying time	Surface dry and ready to be painted over after approx. 12 hours at a temperature of + 23° C and 50% relative humidity. After 3 days, suitable for normal stress load and after 7 days suitable for full stress load. If the temperature and humidity changes, then so does the drying time.
Cleaning the tools	Clean tools/ equipment with water immediately after use.

Please note
In order to avoid any deposits on larger areas it is essential to apply a rapid coat wet on wet. Avoid excessive layer thickness (over-consumption). Ensure good ventilation and extraction during drying and hardening phase. Strong mechanical or sharp-edged load on the surface can lead to scratches.

Suitable substrates and their preparation
Substrates must be solid, dry, free of dirt, blooming, discolouration, fungal growth, sintered layers, multi-grain layers and separating substances. Any old coats that are to be treated must be tested for their suitability, adhesion and stability. Pay attention to VOB (contracting rules for award of public works contracts), part C, DIN 18363, para. 3, the respective BFS datasheets and the technical datasheets for Diessner floor paint (Diessner

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Fußbodenfarbe). Even out ultra-absorbent surfaces beforehand with Diessner Universal Primer (Diessner Universal Fixativ).

Underground humidity
The substrates must have reached their humidity equilibrium. (Cement-bonded substrates: max. 3.5 weight%, anhydride screeds: max. 1 weight %). The possibility of humidity penetration from the rear must be excluded.

Note
This technical information is compiled to the best of our knowledge and corresponds to our state-of-the-art application technology. However, you can only obtain non-binding advice as the working method in each individual case is dependent on the condition of the structure to be coated and can only be decided on the basis of the actual surface in question. Conditional exceptions are to be taken into account on site. Liability cannot be derived from the aforementioned information.
Due to the different substructure materials and the working conditions that are out of our control, we recommend conducting sufficient tests in each case to ensure the suitability of our products for the intended procedures and purposes.
All previous versions cease to apply with the publication of this technical datasheet.

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