

Technical Information Sheet Article No. 2837

Multiplan Deco

Floor levelling compound that can be decorated
Hydraulic, fast setting and crack-free hardening.
Easy to use, can be pumped, for indoors and outdoors

Range of use

Remmers Multiplan Deco is used as an early loadable, self-smoothing levelling layer for floors that can be decorated. The following substrates in indoor and outdoor areas can be coated:

- Concrete slabs, raw concrete floors, cement screeds in industrial and residential areas
- For levelling concrete and cement screed
- For levelling wearing surfaces in housing and trade buildings

Remmers Multiplan Deco is applied in a layer between 2 to 15 mm thick.

Non-absorbent substrates such as poured asphalt, ceramic or natural stone floors as well as wood floors should be levelled with Remmers Uniplan 0/50.

Property profile

Remmers Multiplan Deco is a high quality, waterproof, mineral floor coating compound that is ready-to-use after mixing with water and quickly sets, hydraulically. Remmers Multiplan Deco can be worked by hand or with conventional pumping machines in conjunction with a positive mixer. After mixing, this levelling mortar is flowing capable and self-levelling,

Characteristic data of the product

Colour:	white
Bulk density:	1.4 kg/l powder
Water requirements:	4.5-5.0 l per 25 kg powder
Consistence:	flowing capable after mixing
Working time:	20-30 min. (depending on temperature)
Working temperature:	+ 5 °C to + 25 °C substrate temperature
Application thickness:	2 to 15 mm
Density of ready-to-use mortar:	approx. 1.9 kg/dm ³
Compressive strength after 28 days:	approx. 40 N/mm ²
Flexural tensile strength:	approx. 8-10 N/mm ² (in accordance with DIN 1164)
Foot traffic:	after 2-4 hours (depending on temperature)

Remmers Multiplan Deco is a high quality, factory-mixed, dry mortar with a special cement combination, prepared mineral fillers, organic and inorganic additives.

forming seamless, smooth surfaces.

Special properties of the product:

- Easy to mix and distribute (can be pumped).
- Because of its good flowing capacity it can be worked quickly.
- The surface smoothes itself when the material is distributed
- Layers from 2 to 15 mm thick.
- Very low inherent stress, hardens crack-free with a good adhesive bond.

- Sets quickly, foot traffic after 3-4 hours
- High adhesive, compressive and tensile strength
- Waterproof, can also be used outdoors

Substrate

The substrate must be sound, clean, dry and free of any substances that could interfere with the adhesion of Remmers Multiplan Deco (e.g. layers of sinter, release agents, loose constituents, dust, rubber marks from tyres, oils,

grease, etc.). If necessary, clean the substrate and remove non-load-bearing layers (e.g. by steel ball jetting, grinding, brushing). Layers of dust must always be removed thoroughly with a vacuum cleaner. Then prime the substrate twice with Remmers Optiplan Primer, wet-on-wet, and allow to dry for at least 15 minutes until tack-free. Avoid the formation of pools. Very little time or material is needed for this working operation but it considerably reduces the formation of air bubbles when working which leads to a much more even surface.

Directions

Pour **4.5-5.0 litres of water** into a clean mixing container and add **25 kg = 1 bag of Remmers Multiplan Deco**. For thin layers up to 5 mm, the quantity of water can be increased to 5 litres. This mixing ratio should be observed since it has great influence on the quality of working and final results. Thoroughly mix Remmers Multiplan Deco with mixing equipment/mixing paddle, e.g. a BEBA mixer or a drill with a spiral mixing tool for at least 3 min. until a homogenous mortar with good flow properties has been achieved. After mixing, pour the mixture directly onto the prepared substrate in the desired layer thickness and distribute with a Remmers scraper or toothed rubber blade. Work individual mixtures continuously to avoid seams. Remmers Multiplan Deco levels itself while being distributed. Rolling the surface with a spiked roller immediately after distribution reduces the time needed for working and helps create practically mirror-smooth surfaces by improving de-airing of the material. For layers up to approx. 7 mm thick, use a Remmers spiked roller with 10 mm spikes and 20 mm spikes for thicker layers. **Working time depends on the temperature and at 20 °C is approx. 20 minutes.** For larger surfaces (more than 500 m²), we recommend the use of a positive mixer with a pump, e.g.

- PFT Mixing Pump MS2

- PFT ZP 3 (NV 2) + PFT Multi-mix
- G 4 with PFT Rotoquirl
- Putzknecht S 36 or S 30 + TM 100
- Putzmeister S 5 EV-TM or RMP 1000
- Mixing Pump m-tec duomix 2000 (Berö Tinu)

In case of waiting times of more than 20 min., empty pump hoses and rinse out thoroughly with water. Continuous mixers should not be used since the mixing time is only a few seconds and substantially greater quantities of water are required which considerably reduces the quality of the coating.

Notes

Initially set mortar cannot be made workable by adding water or fresh mortar.

Do not use at substrate temperatures below + 5 °C or above + 25 °C. Lower temperatures increase, higher temperatures reduce working time. Protect Remmers Multiplan Deco from drying out too quickly in wind or sun.

Moisture sensitive sealants should only be applied after the coating has dried (depending on temperature, 3-4 days, with a residual moisture content of < 3% by weight). When subsequently sealed with Remmers PUR Top TX, test the surface (scratch test). In some cases, very slight amounts of sinter dust may form due to application method. This should be removed by light sanding followed by vacuuming before sealing.

Tools, cleaning

Drill with spiral mixing tool, BEBA mixing equipment or positive mixer, pump machines with a positive mixer, transport/pouring buckets, scraper or toothed rubber blade for distributing in an even layer, spiked roller for de-airing the material.

Clean tools with water while the material is still fresh.

Packaging, application rate, shelf-life

Packaging:
25 kg paper bags

Application rate:
Approx. 1.5 kg powder/m² and mm thick layer

Shelf-life:
At least 6 months in closed bags, stored on wooden grids, protected from moisture

Safety, ecology, disposal

Remmers Multiplan Deco contains cement and reacts alkaline with moisture.

Protect skin and eyes. In case of irritation, rinse thoroughly with plenty of water; in case of contact with eyes, seek medical attention. Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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