

Technical data sheet

Diessner Roller Plaster

(Diessner Rollputz)

Synthetic resin plaster in roller plaster texture for exterior and interior use



Decorative synthetic resin plaster in grooved plastered pattern

- Easy to spread
- Water-repellent, weather-resistant
- Robust and hard-wearing surface
- Texture can be modelled
- Low tension
- Easy and flexible to handle
- Solvent-free, environmentally friendly, low odour
- Water-dilutable
- Alkali-resistant, therefore saponification-resistant
- Insensitive to industrial exhaust gases

Application

Ready-to-use, solvent-free, formable synthetic resin plaster for interior and exterior use for very robust, weather-resistant surfaces, corresponds to EN 15824 (DIN 18558 P Org.1). Different texture variations can be create by applying different tools and different working methods. Suitable substrates include all solid plasters from the mortar groups P II-P IV (according to IN V 18550), concrete as well as fibre cement boards, plasterboard panels, firmly-adhered old paints and similar surfaces.

Technical data

Binding agent base	Plastic dispersion in accordance with DIN 55947
Pigment base	Titanium dioxide
Maximum grain size	approx. 0.4 mm
Colour	White
Tinting	Can be tinted using Diessner MIX, in the factory or with commercially available dispersion-based full shades and tints. Tinting can change the offered properties and delay the drying behaviour. Please refer to BFS datasheet no. 25. The supplied colours are to be checked for colour accuracy before painting.
Container size	25 kg containers
Storage	Store cool but frost-free. Seal opened containers well and use within a short period. Unopened containers can be kept for a minimum of 24 months. See imprint on container for date of manufacture.

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Coverage*	approx. 800 g – 1,200 g/m ² *The standard values indicated for material coverage refer to a smooth subsurface without any loss from pouring or spillage. A trial coat can be applied to determine any differences in the subsurface or handling
Product code Colours and paint	M-DF 01
Hazard identification	Not applicable
VOC content	Class a type wb, VOC limit from 2010 = 30 g/l, VOC value <10 g/l
Declaration of ingredients	Synthetic resin dispersion, titanium dioxide, 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.
Special notes	Keep out of reach of children. Rinse thoroughly with water in case of contact with the eyes. Before use, always read label and product information. When using in a spraying process, do not breathe in the spray mist and use suitable breathing apparatus. Do not allow the paint to enter drainage systems, waterways or soil. Cover all areas to be painted carefully. Wash off paint splashes on all kinds of surfaces with water while the paint is still wet. For more information, see EC safety datasheet.
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.
<u>Handling guidelines</u>	
Base coat	Refer to suitable substrates and their preparation.
Intermediate coat	Diessner Plaster Base (Diessner Putzgrund)
Top coat	Mix the material thoroughly with an electric agitator. If necessary, thin down the material with max. 2% water. Do not use an aluminium stirrer; otherwise, metal abrasion cannot be ruled out.

Technical data sheet

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Roller application

First fill paint rollers or perforation rollers with the material and roll them in on a separate area. Then apply the material evenly and in one direction or shape with other texture rollers.

Spray coating

Spray coating with suitable surface spray devices or possibly with a hopper gun for small surfaces. The surface can either be left as a spray texture after an even spray application or shaped immediately after application with a paint roller, perforation roller, other effect rollers etc.

Nozzle: 4-6 mm, depending on the desired layer thickness
Spray pressure: 3-4 bar
Air pressure of spraying device: approx. 0.5-1.5 bar as required
Air volume of spraying device: approx. 500 litres/ minute

Notes

Diessner Rollputz LF contains natural stone granules. Unavoidable discolorations due to the granules can occur and is not a cause for complaint. For areas that are in view simultaneously only use the same batch of material. If the layers are thick, cracks may occur. Do not exceed the indicated thickness values, or check the desired layer thickness and texture on a sample surface.

Tools and machines

Paint rollers (medium to long pile), stainless steel trowels, or perforation roller, fine plaster spray machines (spiral pumps), for small surfaces also hopper guns.

Lower limit for application temperature

Do not use if the subsurface, ambient or drying temperature is below +5°C or above +30°C. Do not use if the relative humidity is above 85%. Note: The handling period is significantly reduced at temperatures above +25°C. Do not use in direct sunlight, in strong winds and if there is a risk of rain or night frost. For more information refer to the data sheet from the German Stucco Association: "Plastering at high and low temperatures."

Drying time

Surface dry after 12 hours and can be painted over after 2-3 days at a temperature of + 23° C and 50% relative humidity. Lower temperatures and/or higher humidity increase the drying time significantly. Protect from any humidity during the drying period.

Cleaning the tools/airless equipment

Clean tools/equipment with water immediately after use.

Please note

During the work, please note the VOB (contracting rules for award of public works contracts), part C, DIN 18363, para. 3. In order to avoid any deposits on larger areas it is essential to apply a rapid coat wet on wet;

Technical data sheet

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deploy one employee per area of scaffolding, where applicable, or multiple employees on larger surfaces. Make sure that the texture is even. When using natural fillers, differences may be found in the colour and texture; therefore, only use material from the same batch for areas that are connected or mix the different batches in advance on plasters that are the same colour. Working methods, tools and subsurfaces have a significant effect on the texture and material coverage.

If the layers are thick, cracks may occur. Do not exceed the indicated consumption values, or check the desired layer thickness and texture on a sample surface.

Not suitable for horizontal surfaces with any water loading. Do not use in direct sunlight, in strong winds and if there is a risk of rain or night frost. Do not use if the ambient, subsurface and drying temperature is below + 5°C.

Please note the following when using outdoors

To avoid any fungus and algae forming within a short period of time, we recommend using a special FA (fungicide/algicide) version of the Diessner Rollputz. An additional coat, also in the FA version, can generally increase the protective effect.

The period for which this FA version is effective depends on the conditions of the object, the exposure to moisture and the frequency of the outbreak. The permanent prevention of algae or fungus cannot be guaranteed based on the current state of technology.

Please request the technical data sheet for Diessner Rollputz FA and refer to the handling information or special instructions.

Suitable substrates and their preparation

Substrates must be even, solid, free of dirt, blooming, discolouration, fungal growth, sintered layers, multi-grain layers and separating substances. Subsurfaces must be dry (must have reached their equilibrium moisture content). Any old coats that are to be treated must be tested for their suitability, adhesion and stability. Please note the VOB (contracting rules for award of public works contracts), part C, DIN 18363, para. 3 and the respective BFS bulletins. In case of cleaning work, the legal regulations are to be adhered to. It is recommended to create sample patches before beginning any work and thus to check adhesiveness and surface appearance. Please refer to the technical information for Diessner primers prior to carrying out any work. For detailed instructions about substrate pre-treatment, please refer to the Diessner technical datasheets 004/002.

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.