

Technical data sheet

Diessner Silicon plus Hydrogrund

Primer based on silicone resin for interior and exterior



High-grade silicon resin system penetrating primer

- Very low-odour
- ELF (Emission-minimised, solvent- and plasticiser-free)
- Very high penetration depth
- Very good surface strengthening
- Saponification-stable
- Environmentally friendly
- Easy to spread
- Hydrophobic

Application

Transparent silicone resin system primer on aqueous finely divided siloxane-hydrosol base for inside and outside for subsequent Diessner silicone resin paints. For hardening of plaster surfaces that are sanded and for regulation of the absorbency of ultra-absorbent subsurfaces or subsurfaces with different absorption such as brickworks, plasters (DIN EN 998-1/DIN V 18550 MG P Ic- P IV), concrete, textured plasters, old paint that can be coated, etc.

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Binding agent base	Siloxane-modified plastic dispersion in accordance with DIN 55947.
Colour	Transparent
Container size	5 and 10 litre container
Storage	Store in a cool, frost-free environment. Keep any opened containers tightly closed and use as soon as possible. Unopened containers can be kept for a minimum of 24 months.
Coverage	Depending on the absorbency of the substrate, approx. 200-300 ml/m ² per coat on a smooth substrate, substantially more on textured surfaces. Apply a test coat to determine any potential differences relating to your project.
Product code	
Colours and paint	BSW 20

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VOC content	Class h type wb, VOC limit from 2010 = 30 g/l, VOC content < 1 g/l
Hazard identification	Not applicable
Declaration of ingredients	Acrylic resin hydrosol, siloxane, water, additives, preservatives. Advice for people allergic to isothiazolinone is available on telephone no.: No.: +49 (0)30 60 00 02 49.
Special notes	When using in a spraying process, do not breathe in the spray mist and use breathing apparatus during spraying work. Always read and note the label and product information prior to use. Not for interior use. Do not allow the paint to enter drainage systems, waterways or soil. Carefully cover all surfaces that are not to be coated. Rinse any paint sprayed onto surfaces with water whilst still wet. For more information, see EC safety datasheet.
Disposal	Only recycle completely empty containers. Dispose of any liquid material residue at an authorised collection point that handles old paint/varnish. Any dried out material residue can be disposed of as hardened paint or as domestic waste. Waste key no. 080112 according to the AVV waste directory regulation.
<u>Handling guidelines</u>	
Handling	Before use, mix material well/shake canister. In normal cases, apply evenly wet on wet without thinning down. On ultra-absorbent substrates, apply two coats wet on wet. The material application must harden the substrate evenly, though it should not result in a thick, glossy coat; if necessary, apply a sample coat. Do not use in direct sunlight, in strong winds and if there is a risk of rain or night frost.
Method of application	Can be applied with brush, roller and spray devices.
Airless application	Nozzle: 0.013" – 0.015" Spray pressure: 60 - 80 bar Spray angle: 20°- 50 °
Minimum handling temperature	+ 5°C substrate and ambient temperature.
Drying time	Paintable at the earliest after approx. 6 - 8 hours at a temperature of + 23°C and 50% relative humidity. Considerably longer drying time at lower temperatures and/ or higher humidity. During the drying time, the coat must be protected from moisture.

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Cleaning the tools/ Airless equipment

Clean tools/equipment with water immediately after use.

Substrate 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 005/006. We recommend creating sample areas before starting any work in order to test the effectiveness and quality of the surface.

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.