

Technical data sheet

Product description

Intended use :	Water-borne synthetic dispersion paint to coat concrete, plaster and screed surfaces of collecting troughs and tank rooms for heating oil and diesel fuels as well as new motors and gear oils. Suitable for interior use in all sides closed buildings. Test sign P-57.068 , controlled by Institut für Massivbau und Baustoff-Technology - MPA Karlsruhe Germany . Not suitable for biodiesel, for garage floors (as it is not resistant to plasticizers) or surfaces under permanent water contact.												
Features :	<ul style="list-style-type: none"> - water-based, environmentally friendly and of low odour - scrub resistant according to DIN 53 778 - resistant to alkali and heating oil, diesel fuels, aqueous solutions of salts, acids and bases of low concentration - elastic, bridges capillary cracks and provides jointless permanent protection surfaces 												
Content according to VdL Directive 01: (Association of German paint industry)	Acrylate dispersion, polyurethane dispersion, titanium dioxide, coloured pigments, water, silicates, chalk, additives, methylisothiazolinone, benzisothiazolinone												
Colours:	Light grey, mouse grey												
Specification :	<table border="0"> <tr> <td>Gloss level:</td> <td>mat</td> <td>DIN 67 530</td> </tr> <tr> <td>Specific weight:</td> <td>1.3 g/cm³</td> <td>DIN 51 757</td> </tr> <tr> <td>Viscosity:</td> <td>35 - 45 dPas</td> <td>DIN 53 019</td> </tr> <tr> <td>pH-value:</td> <td>8.5 - 9.5</td> <td>DIN 53 785</td> </tr> </table>	Gloss level:	mat	DIN 67 530	Specific weight:	1.3 g/cm ³	DIN 51 757	Viscosity:	35 - 45 dPas	DIN 53 019	pH-value:	8.5 - 9.5	DIN 53 785
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Storage :	At least 2 years, if the tightly closed original packages are kept dry, protected against frost. Storage temperature: from +5°C until maximum +30°C.												
VOC content :	EU limiting value for the product (cat. A/i): 140 g/l This product contains max. 2 g/l VOC [0.016 lbs/gal]												
Giscode :	BSW20												

Application

Processing conditions :	At least + 5 °C environment and surface temperature. Max. 70% relative air humidity during the application.
Edificial requirements:	Consolidate outer walls and floors of collecting troughs and tank rooms by construction works (denticulation, reinforcement, anchorage, a.s.o.) in order to avoid any cracks due to settlement or shrinkage. Consider liquid pressure. Expansion joints in the area of collecting troughs and tank rooms are improper. Concrete, plaster and screed surfaces must be sound and free from imperfections. Inside edges have to be treated as channels. Plaster and screed must be well adherent to bearing structure parts and outer walls and floors. Their surface must not be smoothed by means of a steel trowel but a wood board.

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

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A further powdering with cement is prohibited. Pipe penetrations in the area below the maximum possible liquid level in collecting troughs and tank rooms are not permitted. Brickwork as well as concrete surfaces, which do not fulfil the above-mentioned requirements, must be covered with a firmly adherent cement plaster. Mineral substrates such as concrete, plaster and screed must be at least 28 days old and must have well dried before recoating. The following standards are to be considered to assure appropriate substrate quality:

Concrete: **DIN 1045** (ed. July 1988)

Plaster: **DIN 18 550** Part 1, Tab. 1 stuff group PII + P III
(ed. January 1985)

Screed: **DIN 18 560** Part 3, para. 5.3 Tab. 1 resistance class ZE
20 – in connection with para. 7.4 (ed. January 1985).

Avoid water contact on the back of the coating. When ground water, seepage water or any other water penetrates through the back side, this must be insulated according to: **DIN 18 195 Part 4** – Insulation of constructions against ground humidity, Measurements and Measures and methods (ed. August 1983)

Only if the aforementioned structural requirements are fulfilled, a coating can be applied, since only then the product serves its purpose.

Substrate preparation :

The substrate has to be sound, free from laitance, brittle non-adherent layers, surface imperfections and substances that may affect the adherence (e.g. oil, grease, paraffin, rubber marks, mould release agents, organic additives, coating residues). The surface must not be powdery or friable. Allow at least 28 days setting time before further processing. The surface quality has to be checked and approved by the process engineer.

Generally, the surface has to be pretreated. Mechanical cleaning by means of hard broom, steel brush or industrial dust collector is generally sufficient. When a surface-filling repair is necessary, apply cement-based filler (cement content minimum 30 %).

Dilution:

Water

Application process:

Rolling, brushing

Drying times:

Walkable: after approx. 24 h
Resistant to assembly work: after 7 days

Coating structure:

To assure an efficient coating apply at least 3 layers. To prevent possible technical failures, we recommend using differently tinted coatings. In order to show clearly the number of layers applied, apply the second and subsequent coats leaving on the upper sidewall a horizontal stripe of 1 cm uncoated of the previous layer, to be sure, the correct number has been applied.

Allow drying for of at least 14 hours between the priming coat and the 1st coat, and 24 hours before applying the 2nd layer.

Priming coat: dilute with max. 30% water;

1st finishing coat: undiluted

2nd finishing coat: undiluted

Spreading ratio :

To meet the requirements of a heating oil-proof coating, it is necessary to apply at least 900 ml of the undiluted product per square metre for priming, intermediate and final coating. In doing so one achieves at least 380 µm of dry film thickness.

Special remarks

In the end of the operation, apply a clearly visible label with the name of the product, application date and name of the technical engineer.

Cleaning of tools

Tools should be cleaned immediately after use with water.

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