

Universal Floor Paint

Product description:

Silk matte coloured sealing on mineral floors indoors with normal walking loads, e.g. basements, storage rooms, lofts, attics and as a oil-proof coat (with official test certificate) for catch basins and catchment areas ponds for extra light heating oil indoors. Do not use on surfaces that are driven on and surfaces with stagnant water or those that are in a continuously wet condition.

Application:

Absorbent, mineral surfaces such as concrete, screed, plaster and brickwork. The surface must be dry, stable, load-bearing, dimensionally stable and free of separating substances.

Properties:

- single-component
- quick-drying
- oil-resistant
- water-dilutable
- for indoor use
- silk matte
- odourless
- environmentally friendly

Binding agent basis:

Synthetic dispersion
(according to DIN 55 945)

Spec. weight:

1.24 kg/l

Gloss level:

Silk matte

Shades of colour:

Light grey, mouse grey, sand

Packaging size:

12.5 l

Application:

With paintbrush, roller or airless sprayer.

Surface:

The surface must be clean, dry, stable, load-bearing, dimensionally stable and free of separating substances. The minimum adhesive tensile strength must be $>1 \text{ N/mm}^2$.

1. Prepare viable surfaces with soiling (dust, dirt, etc.) using water or stream jets.

2. Prepare non-load bearing, severely soiled surfaces, which are contaminated with oils, greases, rubber abrasion, etc. or show mealy or glassy cement stone by shot-blasting or the like.

3. Remove loose coats or non-adhesive coats of paint from coated surfaces. Clean tightly adhering 1k coatings and old tightly adhering dispersion coatings that are free of plasticisers. Sandpaper tightly adhering, fixed 2K coatings or prime with EP Uniprimer.

Coating system:

MEGA 701 Universal Floor Paint can be applied using a paintbrush, airless sprayer (nozzle size 0.013 - 0.015 inch) or paint roller. Stir well before use. Dilute primer coat with a max. of 30 % water. Apply the intermediate and top coat undiluted.

Technical specifications

The surfaces must have achieved their moisture balance:

Concrete and
cement screed: max. 5 weight %
Anhydrite screed: max. 1 weight %
Magnesite screed: 2 - 4 weight %
Xylolite screed: 4 - 8 weight %

Dilution:

water

Cleaning the tools:

Clean immediately after use and in the case of longer work breaks using water and soap.

Drying process:

Can be reworked after approx. 8 hours. Mechanical load-bearing capacity is given after approx. 48 hours (at $+20 \text{ }^\circ\text{C}$ and 60 % rel. humidity).

Consumption:

Primer coat (diluted): 150 - 200 ml/m²
Intermediate/top coat: each 150 - 200 ml/m²

Consumption Oil basin coating:

Primer coat: approx. 250 ml/m², diluted with 30 % water. 1st and 2nd top coat: approx. 300 ml/m². Apply consecutive coats with different coloured coating material, to avoid imperfections.

Airless spraying:

Nozzle: 0.013 - 0.015 inch = 0.33 - 0.38 mm

Governmental regulations for oil basin coating:

Constructional requirement:

Constructive measures must be taken to avoid settlement and shrinkage cracks in the outer walls and the base of the catch basins and catchment areas (e.g. gearing, reinforcement, anchor or the like).

Take the loading condition "liquid pressure" into account. Expansion joints are prohibited in the area of catch basins and catchment areas. Concrete, plaster and screed surfaces must be viable as well as free of imperfections. Internal edges must be executed as grooves. Plaster and screed must firmly adhere to the supporting components or outer walls and the base. Their surface cannot be smoothed out using a steel trowel but must be abraded using a wooden board.

Subsequent powdering with cement is not permitted. Pipe openings in the area below the maximum possible liquid level in catch basins and catchment areas is prohibited. Brickwork as well as concrete surfaces that do not comply with the aforementioned conditions, must be equipped with a tightly adhering cement plaster. Concrete, plaster and screed surfaces must be at least 28 days old and dry before being coated.

The following standards and minimum requirements apply to the surface quality:

Concrete: strength class C20/25 in compliance with DIN EN 206-1/ DIN 1045-2
Plaster: DIN EN 998-1: 2003-09 as well as DIN V 18 550: 2005-04, - mortar group CS IV or PIII
Screed: DIN EN 13813: 2003-01 as well as DIN 18 560-3: 2006-03, Table 1 - Strength class C25/F4 in connection with DIN 18 560-1: 2004-04, sec. 7.5

Water penetration on the rear side of the coating must be avoided. If groundwater, seepage water or other water penetrates the component from the rear side, it must be sealed off accordingly. In this respect, DIN 18 195-4 applies: 2000-08 building waterproofing, sealing off soil moisture (capillary water, film water) and non-standing seepage water on base plates and walls, measurement and execution.

A coating cannot be applied until the aforementioned constructional requirements have been met because it is not until then, that it can fulfil its purpose.

Universal Floor Paint

Area of application:

The coating material is only suitable to coat concrete, plaster and screed surfaces in catch basins and catchment areas in closed buildings with the storage of:

- Extra light heating oil according to DIN 61603-1
- unused combustion engines and motor vehicle transmission fluid
- Mixtures resulting from saturated and aromatic hydrocarbons with an aromatic content of <20 weight % and a flash point >60 °C

The requirements of the generally approved test certificate by the building authority must be observed when processing the coating material in catch basins and catchment areas. The manufacturer can provide the generally approved test certificate by the building authority.

General information

At least +5 °C object and ambient temperature, relative humidity max. of 80 %. The temperature of the surface must always be 3 Kelvin above the dew-point temperature.

Storage:

Store cool, dry and frost-free. Original closed container can be stored stably for 2 years at approx. +20 °C.

Declaration of the substances of content:

Acrylic resin dispersion, titanium dioxide, silicates, barium sulphate, water, film-forming agents, additives, preservatives

Information on disposal:

Give liquid material residues to the collection point for old paints/varnishes, dispose of dried up material residues as construction or demolition waste or as residential waste or household waste. Dispose of content and containers in compliance with the local, regional, national and international disposal regulations. Waste must not be disposed of with wastewater.

EU threshold value for this product:

Product category: A/i

140 g/l VOC (2010)

This product contains a max. of 20 g/l VOC.

Special information:

Coating material for catchment areas with concrete, plaster and screed surfaces within buildings for the storage of liquids according to Building Rules List A, Part 2, consecutive number 2.15 (extra light heating oil according to DIN 51603-1, unused motor vehicle engine oils, unused motor vehicle gear oils, mixtures of saturated and aromatic hydrocarbons with an aromatic content of <20 weight % and a flash point of >60 °C)

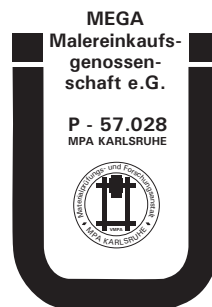
GISCODE:

BSW20

WHC1:

Self-classification

Observe the safety data sheet!



MEGA eG Fangdieckstraße 45, 22547 Hamburg 06 701	
EN 13813 MEGA 701 Universal Floor Paint Interior synthetic resin screen	
Fire classification:	Efl
Release of corrosive substances:	SR
Abrasion resistance:	≤ AR1
Adhesive strength:	≥ B1,5
Impact resistance:	≥ IR4

