

DURODIT

2K-PUR coating DD-49

Art. 49 / 3 / 0223

VFL
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Properties

DURODIT is a solvent-free and self-leveling 2-component coating based on polyurethane resin. It produces non-porous, crack-bridging and liquid-tight coatings from 1mm, which have very good impact, shock and abrasion resistance. The coatings meet the highest demands on mechanical resistance and are convincing due to their high weather resistance.

Field of application

For crack repair, sealing and coating of flat roofs, balcony floors, concrete parts, window ledges, etc.

Pretreatment

For new floors, the drying and setting times must be observed according to the floor manufacturer's instructions. The substrate must be freed from all adhesion-reducing layers and impurities. For example, cement residue, sintered layers, liquid foils (curing), etc. must be completely removed by blasting, grinding (with NEUTRASOL cement floor cleaner) or other suitable means. Remove old coats if possible or prepare them accordingly for medium loads. Any cracks are milled out and filled with a suitable mortar compound (e.g. mixture EPOTEX / quartz). In the case of problematic renovations and very heavy loads, the floor should preferably be sanded or sandblasted. In order to obtain lasting protection, substrates with rising damp must be renovated as a matter of priority.

Processing

During application, a minimum substrate temperature of 10 °C, a maximum floor moisture of 5 % and a maximum air humidity of 75 % must be observed, otherwise film formation may be disturbed, resulting in poor drying, reduced adhesion, lower gloss, poor flow or poorer resistance. At temperatures above 25 °C, care must be taken to ensure that the application is carried out at a constant or decreasing temperature, otherwise there is a risk of bubble formation.

When mixing components A and B together, ensure that they are thoroughly mixed. Component B (hardener) is slowly added to component A (stock solution) while the stirrer is running at low speed. The whole mixture is then repotted and stirred well again.

System structure

Primer

Depending on the substrate, the following primers are used: DUROPUR 1K-PUR bonding agent FH-1000, EPOXIM 2K epoxy sealer, EPOSAN 2K epoxy moisture barrier or EPOTEX 2K epoxy oil and moisture barrier.

Coating system

1 x DURODIT 2K-PUR coating DD-49 in the desired shade

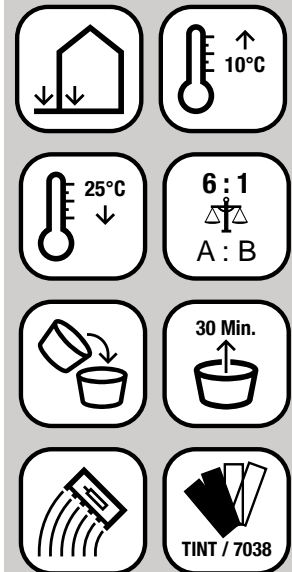
Top coat

1 x BLENDA®-FLOR 2K-PU floor paint WV-537 in the desired shade (DURODIT tends to yellow slightly, so a pigmented topcoat is essential for light colours)

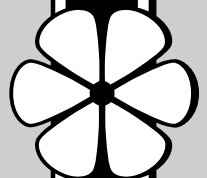
Sealing

For increased slip resistance (CREASAFE) or to protect against flaking (CREAFLOC), an additional transparent final seal with BLENDA®-FLOR is recommended.

Addition of quartz sand is not recommended, as this leads to a loss of elasticity.



Farben



Knuchel

High quality - Top finish

Drying	<ul style="list-style-type: none">◆ Dust dry after about 8 hours◆ Walkable after approx. 24 hours◆ Can be reworked within 18 to 48 hours◆ Chemical resistance and full load after approx. 7 days (depending on the temperature, application quantity, humidity and air circulation)
Dilution	Dilution is not necessary.
Extensiveness	1,45 kg per m ² and for 1 mm layer thickness. Recommended layer thickness from 1 mm, usually 1,5 to 2mm are applied.
Mixing ratio	6 parts by weight component A and 1 part by weight component B (6 : 1).
Pot life	<p>After mixing the A and B components, DURODIT can be processed for about 30 minutes at 20 °C. Finished mixed material must be emptied on the surface to be treated within minutes to prevent an accelerated reaction (heat development) in the boiler. Only mixing units which can be processed within a short time should be used. Mixed material that becomes musty in the processing phase may no longer be used.</p> <p>Mixed residual inks must never be stored in a closed container until they have completely hardened. The product continues to react and will put the container under pressure and may cause it to burst.</p>
Application	Pointed tooth trowel (6 x 6mm).
Cleaning	Clean tools immediately after use with DD, universal or cleaning thinner. Cured material can only be removed mechanically.
Delivery form	Packages (including hardener) of 14, 7 and 1,4 kg.
Shelf life	<p>Components A: DURODIT can be stored for at least 12 months in the well closed original container. Store in a cool and dry place.</p> <p>Components B: The hardener can be stored for at least 12 months in well-sealed original containers. Store in a cool but frost-free place.</p>
Viscosity	Components A: 7000–8000 mPa.s / Components B: 90–130 mPa.s Components A + B: 2500 mPa.s
Density	Components A: 1,46 ± 0,05 g/cm ³ / Components B: 1,22 ± 0,05 g/cm ³ Components A + B: 1,42 ± 0,05 g/cm ³
Solid content	Components A + B: 100 %
Binder base	Components A: Polyester resins Components B: Polyurethane hardener (article 968)
Gloss level	Strong silky luster
Colours	RAL 7038 (standard color tone) and RAL or NCS. For technical reasons, slight colour deviations are possible.
Registration	Components A: CPID 623083 Components B: CPID 280156 (article 968)

Classification

For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet.

Note

This leaflet is only intended as a reference and non-binding advice. The processing must be adapted to the corresponding conditions. In special cases we recommend to contact our technical service. However, all data and information on the suitability and application of the delivered products do not exempt the processor from carrying out his own tests and trials. A claim for damages for omitted, incomplete or incorrect information is excluded. This applies in particular if hardeners and other products are used in the paint build-up system.

Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.