

DUROPON

Art. 369 / 3 / 0223

2K-PU floor paint DD-369 silky gloss

VFL
Vismara Farbladen



Properties

DUROPON is a chemically curing 2-component coating based on acrylic polyurethane (DD). DUROPON produces hardwearing surfaces with good resistance to a wide range of oils, solvents, various chemicals, cleaning agents, etc. The coatings are characterised by good light fastness and chalking resistance as well as mechanical resistance.

Field of application

As a hard-wearing floor and wall coating in exterior and interior areas such as stairs, terraces, balcony floors, production and storage rooms, civil defence facilities, garages, car sheds, cheese factories, slaughterhouses, laboratories, hospitals, cellars, as well as for coating walls, iron constructions, containers, machines, factory buildings, 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. Old coatings must be cleaned (GEIGER SE-1 leachers / PUROL active cleaner concentrate) and tested for adhesion. Remove poorly adhering old coats (adhesive tension test, cross-cut) mechanically.

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. The dew point must be observed.

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.

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.

Top coat

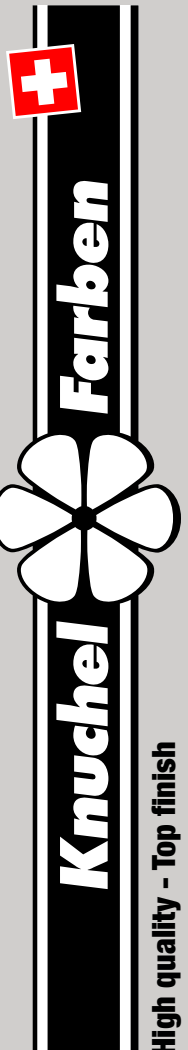
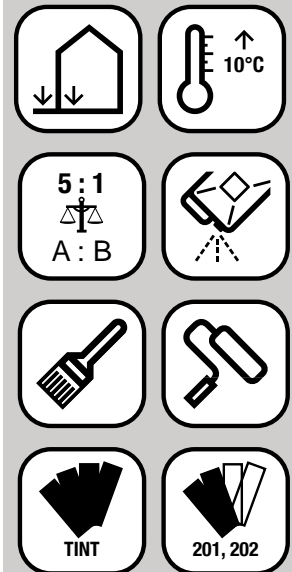
1–2 x DUROPON 2K-PU floor paint DD-369 silky gloss

Sealing

For increased resistances or usage as well as for the protection of flaking (CREAFLOC), an additional transparent final sealing with DUROPUR or DUROFIS is recommended.

Drying

- ◆ Dust dry after about 1 hour
- ◆ Can be reworked within 12 to 24 hours
- ◆ Walkable after approx. 12 hours
(depending on the temperature, application quantity, humidity and air circulation)



Dilution	DD thinner. Other thinners may react with the hardener and affect the quality of DUROPON.
Extensiveness	5–6 m ² per kg per application, depending on the quantity applied and the condition of the substrate.
Mixing ratio	5 parts by weight component A and 1 part by weight component B (5 : 1).
Pot life	<p>After mixing the A and B components, DUROPON can be processed for 2–3 hours at 20 °C. Mixing units should therefore not be too large. 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	<p>Roller, brush or spray gun.</p> <p>In order to achieve optimum results, it is very important to use the right tools – see KNUCHEL GUIDE on brush and roller qualities. You will find this guide both in the catalogue and on the homepage as an attachment to this product.</p>
Cleaning	Clean tools immediately after use with DD, universal or cleaning thinner.
Delivery form	Packages (including hardener) of 12, 6 and 1,2 kg.
Shelf life	<p>Components A: DUROPON 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	Slightly thixotropic / 920–1000 mPa.s
Density	1,25 ± 0,05 g/cm ³ (average value, depending on the colour tone)
Solid content	68 ± 1 % (average value, depending on the colour tone)
Binder base	<p>Components A: OH-functional acrylic resins</p> <p>Components B: Aliphatic isocyanate (article 908 / type DD-319)</p>
Pigment base	Titanium dioxide, inorganic and organic coloured pigments.
Gloss level	Strong silk gloss, 70–80 % at 60° angle (depending on colour).
Colours	The entire colour range (RAL, NCS, etc.) is available under the BRILA-TINT industrial tinting system. Light colours are not recommended for garage floors due to possible discolouration by tyres or tyre marks.
Registration	<p>Components A: CPID 660208</p> <p>Components B: CPID 660493 (article 908 / type DD-319)</p>
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 thinners or 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.