

# DUROSTONE

## 2K-PUR natural stone binder

Art. 383 / 3 / 0223

VFL  
Vismara Farbladen



### Properties

DUROSTONE is a 2-component natural stone binder based on polyurethane resin and is used as a binder for sprinkling CRESTONE Deco Quartz. It meets the highest requirements in terms of chemical and mechanical resistance. The stone carpets have excellent adhesion, are non-yellowing, extremely weatherproof and show very good gloss retention, lightfastness and chalking resistance.

### Field of application

DUROSTONE 2K-PUR natural stone binder is suitable for all load-bearing substrates such as concrete, screeds, firmly holding old tiles, etc. in the areas of car showrooms, boutiques, jewellery and watch shops, outdoor facilities such as entrance stairs, terraces and balcony coverings, as well as wherever a lightfast and decorative coating is desired.

### Pretreatment

The load-bearing substrate must be clean, dry and free from sintered layer, grinding dust, oil, wax and other contaminants.

Alkaline substrates (concrete, anhydrite screeds, etc.), old tiles as well as non-load bearing substrates must be primed non-porous (EPOSAN 314 or EPOTEX 315).

### 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.

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

- 1 x Priming with EPOSAN 2K epoxy moisture barrier or EPOTEX
- 1 x DUROSTONE 2K-PUR natural stone binder apply generously and sprinkle CRESTONE Deco Quartz (grain size 0,5–1mm) over the entire surface.
- 1 x Sealing with DUROFIS 2K-PUR sealer colourless semi-gloss

### Coating thickness application

100–700 µm, depending on application and particle size.

### Drying

- ◆ Dust dry after about 8 hours
- ◆ Recoatable after 12–24 hours
- ◆ Passable after about 24 hours
- ◆ Full load after approx. 7 days  
(depending on the temperature, application quantity, humidity and air circulation)

### Dilution

Use DUROSTONE undiluted.

### Extensiveness

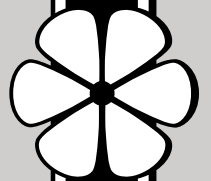
2–3 m<sup>2</sup> per kg per application, depending on the quantity applied and the condition of the substrate.

### Mixing ratio

4,7 parts by weight component A and 2 parts by weight component B (4,7 : 2).



Farben



Knuchel

High quality - Top finish

<b>Pot life</b>	<p>After mixing the A and B components, DUROSTONE can be processed for 1–1,5 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>
<b>Application</b>	<p>Brush and roller.</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>
<b>Cleaning</b>	<p>Clean tools immediately after use with DD, universal or cleaning thinner.</p>
<b>Delivery form</b>	<p>Packaging (including hardener) of 6,7 and 1,34 kg (gloss) as well as 7 kg (silk matt).</p>
<b>Shelf life</b>	<p>Components A: DUROSTONE 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>
<b>Viscosity</b>	<p>High viscosity</p>
<b>Density</b>	<p>Components A: <math>1,07 \pm 0,05 \text{ g/cm}^3</math> Components B: <math>1,14 \pm 0,05 \text{ g/cm}^3</math></p>
<b>Solid content</b>	<p>Components A: <math>71 \pm 1 \%</math> Components B: 100 %</p>
<b>Binder base</b>	<p>Components A: Modified acrylic and alkyd resins Components B: Aliphatic isocyanate (article 937 / type 9800)</p>
<b>Gloss level</b>	<p>Gloss</p>
<b>Colours</b>	<p>Colourless</p>
<b>Registration</b>	<p>Components A: CPID 623060 Components B: CPID 628670 (article 937 / type 9800)</p>
<b>Classification</b>	<p>For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet.</p>
<b>Note</b>	<p>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.</p> <p>Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.</p>