

# Viscacid<sup>®</sup> BS 3000 – SILK GLOSS



Article No. 6380 - 6399

Water emulsifiable, environment justifying, coloured, two-component epoxy resin sealer.

### Properties:

Environment friendly, silk gloss, low odour, abrasion resistant, water dilutable, 2-component sealer, resistant against salts (e.g. dew salt), diluted acids and lyes as well as oils, fuels, heating oils. Viscacid BS 3000 may be used for light to heavy loads.

### Range of use:

Surface protection especially for floors and walls on substrates like concrete, cement screeds and renders and magnesite floors. On poured asphalt interior that is not submitted to direct heat influence (flowing of the bitumen and resulting risk of cracking). As bonding primer on old epoxy resin coatings prior to new coating (production of sample area).

### Colours:

Art. Nr. 6380	Viscacid Colour Collection
Art. Nr. 6381	pebble grey
Art. Nr. 6382	silver grey
Art. Nr. 6399	special colours (available on request)

### Characteristic data of the product in the packaged state:

	Comp. A	Comp. B	Mixture
<b>Odour:</b>	weakly amine	neutral	weakly amine
<b>Viscosity (25° C):</b>	approx. 600 mPas	approx. 200 mPas	approx. 800 mPas
<b>Density (20°C):</b>	1.47 g/cm <sup>3</sup>	1.11 g/cm <sup>3</sup>	1.40 g/cm <sup>3</sup>
<b>Flash point:</b>	> 100°C	84°C	
<b>Solid content:</b>	59.4 %	89.5 %	65.4 %

### Mixing ratio:

According to parts by weight: 4 : 1 or 100 : 25  
According to volume: 3 : 1 or 100 : 33.1

**Application temperatures:** 10°C – 30°C

**Working time:** 10°C approx. 180 minutes  
20°C approx. 30 minutes  
30°C approx. 20 minutes

Higher temperatures and greater amounts reduce working time, lower temperatures increase working time.

**Air humidity:** < 80 % relative humidity

### Drying, 20°C / 60 % humidity:

dust-dry 2 hours  
passable approx. 8 hours  
overcoatable: 8 – 48 hours

fully hardened: 7 days  
rain proof: 8 hours

**Gloss degree:** measurement angle 20° = 55 %  
measurement angle 60° = 90 %  
measurement angle 85° = 100 %

### Abrasion according to Taber

(1000 g load, 1000 rotations):  
Roll CS 17: 0.070 g  
Roll CS 10: 0.050 g

### Water vapour diffusion ability:

As sealing coat: sd value < 4 m  
As coating: sd value < 4 m

### Adhesive pull strength

On concrete: 4.3 N/mm<sup>2</sup> concrete rupture  
On old epoxy coatings: 3.8 N/mm<sup>2</sup> concrete rupture  
On old PU Rofaplast BG: 4.0 N/mm<sup>2</sup> concrete rupture  
On old PMMA floors: no wetting, no adhesion

Adhesion on aluminium: no adhesion  
zinc: no adhesion  
glazed tiles: GT: 0  
stoneware: GT: 0  
soft pottery: GT: 0  
split klinker: GT: 0

### Substrate:

The substrate to be treated must be clean, dry and load bearing. Soil, surface laitance or silicate layers, substances with a parting effect such as e.g. oil, grease, paraffin, worn off rubber, parting and curing agents as well as the remains of coatings are to be removed by steel ball jetting (Blastrac), milling or sandblasting. Remove dust thoroughly afterward with an industrial vacuum cleaner. The substrate must be dry. For further information, see "Substrate" in the DBV Code of Practice - "The use of cold-cured resins in concrete construction, part 2".

### Production of the mixture:

Both components are packaged in special containers in the proper mixing ratio. The mixing ratio is 85:15 parts by mass.

The mixture is produced according to the DBV Code of Practice "The Use of Cold-Cured Resins in Concrete Construction, part 3.2 – Using Cold-Cured Resins on Concrete". The hardener component (B) is completely added to the resin component (A). For smaller amounts (up to 10

## Technical Information Sheet

litres), use a mixer on a counter-current principle. Drills with a max. speed of 400 rpm can be used as a drive. Observe the minimum mixing time of 2 minutes. The larger the amount to be mixed and/or the more viscous the components, the longer the material must be mixed. Streaks indicate insufficient mixing. Especially in the case of varying viscous components, the lesser mixed material adhering to the edge and bottom of the container as well as on the mixing tools should be scraped off and returned to the mixture several times. Afterward, fill the mixture into a separate container and mix again. It is then ready to use. Insufficient mixing causes soft, incompletely cured spots.

### Working instructions:

If used as primer or subcoat, Viscacid BS 3000 can be diluted with up to 7 % water, depending on the absorbency of the substrate.

If used as finish coat, maximum 5 % of water may be added.

If used as scratch coat or coating, do not dilute with water.

### Seal coat:

Apply Viscacid BS 3000 onto the prepared substrate by means of brush and work in well. It is most important, that the last layer is applied in an even layer thickness. This can be achieved when using an epoxy roller (Art.No. 5036, 5040). The drying time between each coat should not exceed 48 hours. During drying ensure good ventilation so that the evaporating water can be led away. Uneven application as well as lacking ventilation can result into mat spots on the coating. 1 m<sup>3</sup> dry air at 20 °C can only take up 17 g of water! Do not apply more than 0.25 kg/m<sup>2</sup> per working operation.

### Scratch coat, respectively coating:

Mix Viscacid BS 3000 with Quartz Aggregate in a ratio of 1 : 1 thoroughly and apply by means of smoothing trowel. Layer thickness: max. 2 mm. Work through with a spike roller. After drying, respectively within 48 hours, apply a seal coat of Viscacid BS 3000 onto the surface.

### Note:

On continuous areas only products of one batch may be used. Slight colour differences between different batches may be possible. The temperature of the ambient air and the substrate may not fall below 10°C.

### Tools and cleaning:

Brush, epoxy roller, lambskin roller, mixing equipment, protective gloves.

Clean tools and any spilled material while fresh with water. In case of longer pauses, intermediate cleaning is necessary.

### Packaging, application rate and storing:

**Packaging:** 1 kg, 5 kg and 10 kg tin cans

#### Application rate:

Depending on the substrate condition the application rates per working operation will amount to:

As a sealer on smooth substrate:	0.2 kg/m <sup>2</sup>
On blinded coatings:	0.25 to 0.40 kg/m <sup>2</sup>
As coating resp. scratch coat:	0.85 kg/m <sup>2</sup> and 0.85 kg/m <sup>2</sup> Quartz Aggregate
	0.1-0.4 mm, per mm layer thickness

**Shelf-life:** At least 9 months in unopened, unmixed, original containers, stored frost-free.

### Safety, ecology, disposal:

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

GISCODE: RE 02

The statements above are compiled from our field of production and according to the latest technological developments and application techniques. Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet.

Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid.

With the publication of this Technical Information Sheet all previous editions are no longer valid.

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