

# BPB® PHOTOFACE® - BL - coloured -

Coloured concrete coating with photocatalytic effect

## Consumers

Product No.: 34053xxxx ! ATTENTION: NEW PRODUCT NUMBER FROM 2024 !

Product No. until 2023: 3490350xx

## Product Information:

### Properties:

- light resistance of the colour pigment: A1
- solvent-free
- colour silica sol
- UV- and weather resistant
- open to water vapour diffusion
- reduces harmful gas (e. g. NOx, VOC) and organic contamination

### Application:

for concrete surfaces and facades

Suitable for the renovation and optimization of vertical concrete surfaces. In addition, thanks to its photocatalytic effect, the glaze greatly reduces the growth of fungi and algae. The original surface structure remains nearly unchanged after glazing - a natural and matt finish concrete surface. The mineral surface which has been treated with this glaze remains permeable to water vapour and is highly water resistant. Treating the concrete surfaces with the glaze provides good protection against carbonation and concrete aging caused by the weather.

The glaze is not suitable for horizontal and slightly inclined, weathered surfaces.

Damage to concrete or cracks must be repaired before the glaze. The glaze can be painted, rolled or sprayed airless (nozzle 0.79 mm).

Normally two coatings are applied to the clean and dry surface. The air and substrate temperature should be minimum +5 °C and 30 °C maximum.

A drying time of at least 12 hours must be observed between the primer and top coat.

The glaze is normally used undiluted or up to approx. 5 % addition of BPB® BL Thinner. For a base coat on highly absorbent substrates, up to a maximum of 10 % BPB® BL Thinner can be added.

The top coat is applied undiluted. The diluted product must be stirred before and during work.

To assess the final effect a testing site on the surface which is representative for the final application is imperative.

### Quantities to use:

300 - 450 g/m<sup>2</sup>

The specified quantities are approximate values because the actual applied quantity does not only depend on the surface structure, but also on the absorbency of the surface.

Avoid too quick drying caused by high temperatures, direct sun as well as strong wind. Tools shall thoroughly be cleaned with water or put into water immediately after use. Once dried product can hardly be removed.

### Please note:

Plants and bushes as well as surfaces and materials which are not treated, have to be protected carefully. Detach and remove splashes immediately with lot of water.

**Specifications:**

Appearance:	pasty
Colour:	colour as requested
Density:	1.50 - 1.70 kg/l
Water permeability:	class III (EN 1062-3)
Water vapour diffusion current density:	$V \geq 2.000 \text{ g}/(\text{m}^2 \times \text{d})$
Degree of glaze:	1.5 matt finish (DIN EN ISO 2813)
pH: approx.	$11 \pm 0.5$
Pollutant degrad.:	max. daily degradation rate NOx approx. 30 % (ISO 22197-1)

**Storage:**

Under normal storage conditions (closed container, 20 °C) minimum shelf-life 12 months

Protect from frost, direct sunlight and contamination.

Transfer material residues from opened containers into correspondingly smaller containers; low air content in the bucket necessary.

Stir well before use.

**Packaging:**

Bucket 25 kg or 1 kg

Other delivery quantities on request

**Safety Rules:**

See EC safety data sheet.

The product should only be used with suitable protective gloves (EN 374) and safety goggles (EN 166).

When used, ensure good ventilation (5 to 15 air exchange per hour) or use exhaust device.

Do not breathe spray.

**Assistance:**

Please contact our Technical Application Centre.

**Industrial use:**

Recommended frequency and duration of use:

480 minutes/day

only outside or with local suction

**Commercial use:**

Recommended frequency and duration of use:

480 minutes/day

only outside

**Consumers:**

Recommended frequency and duration of use:

480 minutes/day

only outside

**Environmental Exposure:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or the sewage system.