

## transparent

pore-filling sealing, super-low viscosity and pressure waterproof 2-component EP sealer

### Product description:

**porfil.® BASIC S** is used for all cementitious substrates (e.g. concrete, screed) as a pore-filling, sealing primer, which seals against any backside moisture penetration, even pressure water load. A surface primed with **porfil.® BASIC S** can be reworked with suitable coatings, paints, etc., but can also be used without reworking. Can also be used as epoxy resin mortar.

### Fields of application:

#### as aftertreatment

- of screed and young (green) concrete → rapid readiness for covering
- reduction of shrinkage cracks due to premature drying out
- Cupping behavior is reduced

#### as a pore-filling sealer

- protects against moisture penetration from the back
- Sealing against water under pressure
- Improvement of mechanical parameters (wear resistance, adhesive tensile strength)
- low material consumption (mixed with fire treated quartz sand)

### Product features and further information:

Package size in kg:	10,00 kg (Comp. A: 8,00 kg + Comp. B: 2,00 kg)
Container Content in liters:	Comp. A: 7,34 Liter, Comp. B: 2,32 Liter
Packing type:	Comp. A: 12 L Steel drum, Comp. B: 2,5 L Plastic Jerrycan
Packaging type:	Comp. A: UN 1A2/Y Steel drum Comp. B: UN 3H1 Plastic Jerrycan
Good/ Dangerous goods:	Comp. A: UN 3082, Class 9, Packaging group III ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin MG<700) Comp. B: UN 2327, Class 8, Packaging group III AMINE, LIQUID, CORROSIVE, N.A.G. (TRIMETHYLHEXAMETHYLENEDIAMINES) Delivery condition: Comp. A < 0, Comp. B < 0
VOC-Content g/L):	300 kg per palette (30x Komp. A und B) or 450 kg per palette (45x Komp. A und B)
Palletizing:	REI
GISCODE:	Comp. A 81P3-A0D6-P00X-9FRP
UFI CODE:	Comp. B ./.
Storable:	Well-closed and unmixed containers must be stored in a dry place and in the temperature range of 15-35 °C. Avoid direct sunlight and storage temperatures below the specified limits. The material is at risk of frost!
Shelf life:	Under the conditions specified above, the material can be stored for approx. 12 months. There is no guarantee for the shelf life of opened containers. The material should be used immediately after opening.

### The following product information can be requested from us:

- Product information
- Safety data sheets
- Test reports

### PRODUCT VARIANTS:

- TRANSPARENT

### APPLICATION AREAS:

- AIRPORTS
- INDUSTRIAL FLOORS
- COMMERCIAL ROOMS
- OFFICE SPACES
- PRIVATE ROOMS
- PARKING HOUSES, UNDERGROUND GARAGES ETC.

### SUBSTRATES:

- CONCRETE
- SCREED
- CEMENTITIOUS FILLERS

### PROPERTIES:

- APPLICATION INDEPENDENT OF RESIDUAL MOISTURE
- DURABLE
- EFFICIENT CONSUMPTION
- EASY TO CLEAN
- EASY TO OVERWORK
- QUICK READINESS FOR COVERING
- PROTECTION AGAINST BACKSIDE MOISTURE PENETRATION
- SOLVENT FREE & VERY LOW EMISSION

### PORVIVA GMBH

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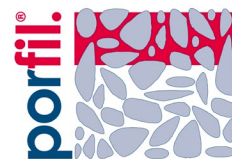
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Status from: 14.09.2023

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## Consumption:

ca. 0,100 - 0,250 kg/ m<sup>2</sup>

Consumption rates **depend on the surface structure and porosity** and should be in the range of 0.100 - 0.250 kg/m<sup>2</sup>. The values given are only guide values and may be higher on very rough and open-pored surfaces. Therefore, a test area is recommended to determine the object-specific consumption values.

## Mixing ratio:

100 parts by weight comp. A / 25 parts by weight comp. B

## Surface preparation:

Before starting work, the surface must be checked for load-bearing capacity and freed from contamination, sludge, dust, oil and other substances with a separating effect. This can be done by blasting or grinding with subsequent cleaning. The surface preparation determines the grip, roughness and absorbency of the surface. The surface must have an average peel strength of at least 1.5 N/mm<sup>2</sup> (smallest single value 1.0 N/mm<sup>2</sup>). When used as a post-treatment agent, an accumulation of cement slurry on the surface must be excluded. This can be done, for example, by high-pressure water jetting at 100 to 250 bar, depending on the age and quality of the concrete/screed. The surface must be dried to such an extent that it appears matt damp and is absorbent. Water drops applied must be absorbed and after a short waiting time the surface must appear matt damp again.

## Mixing:

**porfil.® BASIC S** consists of a master component and a hardener component, which are supplied in the correct, coordinated mixing ratio. Component B must be completely emptied into the container of component A and mixed with an electric stirrer. The mixing time is at least 2 minutes and is not completed until a homogeneous mixture is obtained. Transfer (repot) the mixed material into a clean container and mix again briefly.

## Air and substrate temperatures:

Minimum +8°C (minimum +3°C above the dew point)  
maximum +50°C.

## Processing information:

**Before application on absorbent substrates, a water drop test should be carried out. A water drop placed on the surface must spread and be absorbed into the substrate after 1-2 minutes.**

Water drop test:

Put on water drops and wait...



The waterdrops must penetrate the substrate within a short time and dry up damp, as shown in **picture no. 2.**

The application of **porfil.® BASIC S** is usually carried out in one working operation. Depending on the absorbency of the substrate, a second working pass may be necessary.

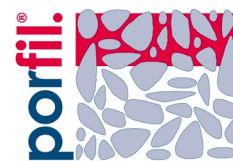
### 1st working step:

Pour mixed epoxy resin onto the substrate and distribute with a rubber squeegee. After a short standing time (up to 15 minutes, depending on concrete / screed quality), sharply remove the epoxy resin with the rubber blade.

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A second pass is necessary if the surface appears dull, light areas are visible and the substrate is still absorbent - applied water drops are absorbed and do not remain damp on the treated surface for a long time.

A film due to excess material should not be visible on the surface. The impregnation of the first operation should have penetrated into the substrate before the second operation.

## 2nd working step:

Pour the mixed epoxy resin onto the substrate and spread it with a rubber squeegee. After a short standing time (up to 15 minutes depending on concrete / screed quality), sharply remove the epoxy resin with the rubber squeegee.

When applying **porfil.® BASIC S**, care must be taken that no film formation occurs on the surface. Both the roughness and the skid resistance of the substrate must be maintained after each working operation.

## Viscosity:

**porfil.® BASIC S** is a very low viscosity impregnation whose viscosity increases only insignificantly at low temperatures. The temperature-dependent viscosities can be taken from the following table.

+ 8°C	+ 20°C	+ 30°C	+ 50°C
45 mPa·s	25 mPa·s	18 mPa·s	12 mPa·s

## Processing times:

The end of the processing time is not necessarily indicated by an increase in viscosity. Therefore, **porfil.® BASIC S** should not be processed after the specified processing times have been exceeded.

	+ 8°C	+ 20°C	+ 30°C	+ 50°C
In container	ca. 45 minutes	ca. 30 minutes	ca. 15 minutes	ca. 8 minutes
Poured condition	ca. 60 minutes	ca. 45 minutes	ca. 30 minutes	ca. 15 minutes

## Others:

Delivered only to commercial or industrial processors.

## Curing:

The drying times of the treated surfaces, which depend on the ambient temperature, can be found in the table below.

The temperature of the ambient air and that of the substrate must not fall below 8 °C.

+ 8°C	+ 20°C	+ 30°C	+ 50°C
> 48 hours	> 24 hours	> 12 hours	> 4 hours

## Revision:

A surface treated with **porfil.® BASIC S** can be reworked with suitable paints and coatings. It can be worked into the still tacky surface. If this is not the case, it must be ensured before reworking **porfil.® BASIC S** that the surface is free of dust, loose parts or similar separating materials. Sample surfaces must always be made to determine compatibility.

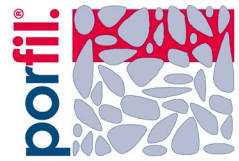
## Equipment cleaning:

Immediately after use, the tools can be cleaned with suitable thinners. When dry, only mechanical removal is possible.

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### Protective measures/disposal:

**Ordinance on Hazardous Substances: Must be labeled.**

GISCODE: RE 1

For handling **porfil.® BASIC S**, the essential physical, safety, toxicological and ecological data are to be taken from the substance-specific safety data sheet. The regulations of the Ordinance on Hazardous Substances must be observed. During application, the hazard warnings and safety advice on the container and the accident prevention regulations of the relevant trade associations must be observed. When not cured, **porfil.® BASIC S** is generally hazardous to water and must therefore not be allowed to enter drains, watercourses or soil. Uncured product residues are generally waste requiring special supervision and must be disposed of properly. Cured material can be disposed of as household/commercial waste after consultation with the relevant authority or landfill site. The local authorities, e.g. district office, environmental protection office or trade supervisory office, are responsible for providing information on proper disposal.