

Product Information

Dolit Primer H

GR.EP.002 | 24/08/2023



CRS
Chemical Resistant Systems

PRODUCT GROUP

Primers

BINDER BASE

Epoxy resin

PROPERTIES / APPLICATION

Solvent-free primer for cementitious substrates that are permanently damp or have residual moisture > 4%. The possibility of use must always be checked on a project-by-project basis.

- Good adhesion
- Can be used on permanently damp substrates, residual moisture permanently > 6%.
- Can be used on hydraulically setting substrates with residual moisture > 4%.
- Prevention of bubble formation, which can be caused by osmotic processes.

SYSTEM DESIGN

- Dolit Primer H
- Sprinkling Dolit-Filler 16

PHYSICAL DATA

Physical property	DIN	ASTM	Value	Unit
Density	DIN EN ISO 1183-1	ASTM D 792	1.08	g/cm ³
Adhesive strength to concrete/screed	DIN EN ISO 4624		>Intrinsic tensile strength concrete	MPa

PRECONDITIONS

The temperatures for the substrate, ambient air and Dolit materials must be between 15 °C and 25 °C during application. The optimum processing temperature is 20 °C. Higher and lower temperatures affect the working time and consistency of the composition. Consumption and application performance may change as a result.

The substrate must be visually dry. During processing, no additional moisture may be introduced from the outside.

The construction site must be protected from draught and direct sunlight.

CONCRETE / SCREED

Refer to DIN EN14879-1.

The substrate must be pretreated to achieve sufficient adhesive tensile strength. It must be free from cement slurry, cement skin, loose and friable parts, structural defects and separating substances.

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DELIVERY FORM / BEST BEFORE DATE

Component	Item no.	Quantity	Package	Months
Dolit-PH-Solution	5235164041	8 kg	Drum	24
Dolit-PH-Hardener	5235163152	4.6 kg	Drum	24
Dolit-Filler 16	5211203001	25 kg	Bag	24

- All components must be stored and transported in a dry and frost-free place.
- The minimum shelf life applies to a storage temperature of 20 °C. Higher temperatures shorten, lower temperatures extend the minimum shelf life.

Safety notice

- For handling, storage and transport, observe the relevant safety data sheets!

WORKING EQUIPMENT

Measuring cup
Scale
Mixing vessel
Drilling machine
Basket spiral agitator
Paint roller
Brush

GISCODE

Product	GISCODE
Dolit Primer H	RE55

MIXING RATIO / CONSUMPTION

DOLIT PRIMER H

Component	kg/m ²	Part by weight	kg / mix	Litres / batch
Dolit-PH-Solution	0.317	1.74	8.000	7.000
Dolit-PH-Hardener	0.183	1.00	4.600	4.600
Total	0.500		12.600	

Area per batch ≈ 25.2 m²

SPRINKLING DOLIT-FILLER 16

Component	kg/m ²
Dolit-Filler 16	3.000



MIXING / APPLICATION

MIXING SEQUENCE

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- Liquid components are measured or weighed out
- Dolit-PH-Solution place in the mixing vessel
- Dolit-PH-Hardener and mix thoroughly with a basket spiral mixer (300 - 500 rpm) until a homogeneous mixture is obtained.

APPLICATION

Processing may only be started when the application requirements are met and can be maintained during the entire processing and curing.

Higher and lower temperatures affect the working time and consistency of the composition. Consumption, film thickness and application performance may change as a result.

All materials should have the same temperature during processing.

The application is done with a brush or roller. The application must be carried out in such a way that no puddles remain in concrete depressions or open expansion joints.

Floor surfaces

- The application takes place in 1 working step.
- Sprinkle the fresh primer with Dolit-Filler 16.

Plinth / wall surfaces

- The application takes place in 2 working steps, Consumption: 0.500 kg/m².
- After the 2nd work step, sprinkle the fresh primer with Dolit-Filler 16.

POT LIFE

- The pot life depend on the temperature and are as follows at 20 °C.

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≈ 60 min

WAIT- / CURING TIME

The minimum waiting time before further processing and the maximum waiting time between working steps are at 20 °C.

Layer	Until further processing	Maximum waiting time
Dolit Primer H	8 h	24 h

The applied primer can be walked on after 6 hours at the earliest.

For gritted surfaces, no maximum waiting times are to be considered.

CLEANING

Tools that are soiled with uncured materials can be cleaned with Dolit-Universal-Cleaner. Clean only in well ventilated areas and observe safety measures.

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SAFETY / DISPOSAL

- Ensure sufficient ventilation, especially when working in closed rooms, pits or containers.
- Observe fire and smoking ban.
- Observe safety data sheets, hazard statements and safety advice on the containers.
- Wear prescribed personal protective equipment. Avoid skin contact with the materials.
- Clean and care for hands with skin protection soap and ointment. Do not use solvents.
- Wear a dust mask during grinding work, e.g. repairs.
- Follow operating instructions according to §14 GefahrstoffV and Technical Rules for Hazardous Substances TRGS 507.
- Comply with the accident prevention regulations of the employers' liability insurance associations.
- Avoid direct contact of the materials with the flame, especially when welding, watch out for welding beads.
- Preferably consume residual quantities.
- Do not pour residues down the sink or into the dustbin.
- Collect residues for disposal separately in durable, sealable and labelled containers.

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This issue replaces all previous versions.

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