Ceresit

R 755

Epoxy Safety Primer

For difficult substrates and heavy-duty service conditions

CHARACTERISTICS

- Highly efficient barrier against residual moisture
- Extremely resistant to stresses
- Very good adhesion
- Can be used for PAH decontamination
- Very low emissions

SCOPE OF USE

Very low emission, two-component epoxy resin primer used for:

– sealing against capillary rise of moisture or residual moisture in cement screeds with a moisture content up to 6 % CM and concrete floors with a moisture con- tent up to 7 % by weight.
– sealing old, existing substrates and mastic asphalt be- fore direct bonding with elastic wood flooring adhe- sives (plasticizer barrier).
– protecting moisture-sensitive substrates such as firmly adhering adhesive residues, dry building boards, wooden substrates, magnesia screeds and magne- sium oxychloride screeds.
– as binder for producing epoxy resin mortars and epoxy resin screeds used in conjunction with firedried quartz sand (grain size 0.4 – 0.8 mm and grain size 0.2 – 2 mm)

Mixing ratio:

– approx. 5 kg grain size 0.4 – 0.8 mm/approx. 5 kg grain size 0.2 – 2 mm/1 kg Ceresit R 755
– The product has proven itself on difficult substrates and as adhesion promoter on stone and tile floors, mastic asphalt screeds, metal surfaces etc. and when expecting that the floor will be subject to high stresses. Also suitable for strengthening highly absorbent and not sufficiently stable (crumbling, sanding) substrates.

SUBSTRATE PREPARATION

The substrates must meet the requirements of comparable national standards). In particular, they must be clean, crack-free, sound, dry, and free of substances that would impair adhesion. Mechanically remove old coverings and all residues of adhesives and screeding compounds that do not firmly adhere to the substrate. Always sand down calcium sulphate screeds and vacuum off the surface. Sandblast or mill magnesium oxychloride and magnesia screeds. Strip metal, stone and tile



floors and grind if necessary. When using R 755 as a barrier against the capillary rise of moisture, the moisture-resistant subfloor must be completely freed (e.g. by sandblasting/milling) of any tenacious soiling.

APPLICATION

The primer consists of a resin and a hardener supplied in separate compartments of a tin canister. Use a sharp, pointed tool to punch several holes through the plastic plug and the bottom of the top container which acts as a lid. Lift the top container slightly to allow the hardener to drain completely into the canister below. Then carefully mix resin and hardener using a hand drill with stirring attachment for at least 2 minutes.
If available, use a continuously adjustable stirrer. Apply a generous coat of Ceresit R 755 with a lamb- skin roller. For blocking the capillary rise of moisture or residual moisture in concrete floors or cement screeds, a second coat must be applied crosswise not later than 48 hours after the first coat has dried.

Before applying a levelling compound:

After the Ceresit R 755 primer coat has completely hardened and before applying a levelling compound of up to 10 mm thickness, it is necessary to roughen the priming coat with a black stripping pad. After- wards, apply an undiluted coat of Ceresit R 766 Multi-Purpose Primer. Alternatively, and always with a level- ling layer

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thickness of more than 10 mm, sprinkle the still liquid Ceresit R 755 coat with fire-dried quartz sand of grain size 0.4 – 0.8 mm (at least 2 kg/m²).
If Ceresit R 755 is used as a moisture barrier (2 coats required), only sprinkle the second coat with sand.
After the Ceresit R 755 priming coat has fully hardened, remove any loose sand particles by grind- ing and thoroughly vacuum them off.

Subsequent direct bonding:
If there is no need for a levelling compound, the floor covering or wood flooring can be bonded directly on the primed surface without prior sanding. Before apply- ing the adhesive, the epoxy resin film must be rough- ened over the full surface using a black stripping pad. Bonding must be done within 48 hours after the last Ceresit R 755 priming coat was applied. Only use Ceresit reaction resin adhesives for bonding wood flooring.

PLEASE NOTE

- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and levelling compounds.
- Only carry out floor installation work if the floor tem- perature is above 15°C, air temperature above 18°C and relative humidity below 75 %.
- Do not scrape the product remains from the bucket.
- Immediately after use clean the tools with industrial spirit (alcohol).
- Make sure to wear suitable protective equipment when working with the products.
- In case of poisoning accidents, contact poison infor- mation centre:
- Pot life and curing time of the primer depend on the temperature. They will be shorter at higher tempera- tures and longer at lower temperatures.
- The product does not replace the waterproofing measures pecified by DIN 18195-5 (or national equivalents).

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

PRODUCT SAFETY

In the uncured state, Ceresit R 755 is a hazardous substance. For safety instructions please refer to the Safety Data Sheet. After curing, Ceresit R 755 does no longer pose a health hazard. Make sure to wear suitable pro- tective gloves, protective glasses and protective cloth- ing during work. In case of contact with skin or eyes, rinse immediately with plenty of water. In case of con- tact with the eyes, also seek medical advice. The risk of medium- or long-term release of appreciable concentra- tions of volatile organic chemicals (VOC) into the ambi- ent air is negligible. Nevertheless ensure adequate ven- tilation during and after application and drying. Avoid eating, drinking or smoking while working with the product.
Information for allergy sufferers on:
Keep out of reach of children.
For professional users.
Safety data sheet available on www.ceresit.com.
GISCODE RE 1 solvent-free, sensitizing
EMICODE EC 1 PLUS R very low-emission according to GEV

DISPOSAL

Do not discharge the product into surface waters, sewer systems or soil. Return the completely emptied containers (drip-dry and open) for recycling according to the applicable regulations. European waste code number (EWC): 08 04 09.

STORAGE

12 months, cool and dry.

PACKAGING

Tin canister, 7 kg/21 kg.

TECHNICAL DATA

	Component A	Component B
Supplied as:	bright-yellow viscous fluid	yellow-brown non-viscous fluid
Mixing ratio A : B:	5 : 2 parts by weight	
Pot life:	approx. 40 minutes	
Curing time:	at least 12 hours	
Temperature resistance:		
after curing	up to max. +80° C, can be used on underfloor heating constructions	
for transport	–20 °C to +50 °C	
for storage	+10 °C to +30 °C	
Consumption:	Consumption per coat	Coverage per canister
lambskin roller	approx. 300 g/m²	7 kg:23 m² 21 kg: 70 m²

The above times are based on normal climatic conditions (23 °C /50 % rel. humidity). Other climate conditions can result in a lengthening or reduction in curing and drying times.

Henkel CEE
Erdbergstrasse 29
1030 Vienna
www.ceresit.com

Quality for Professionals

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