



# R 777

## Dispersion Primer

For absorbent surfaces and concrete floors

CERESIT  
R 777\_EN\_10\_0616

### DESCRIPTION

Ceresit R 777 is a water-based fluid dispersion primer for applications on absorbent or very absorbent (porous) concrete floors before applying self leveling compounds or repair mortars, with the purpose of sealing the porosity and binding the residual dust, as well as to improve the adhesion to the substrate as part of the surface preparation.

### FEATURES & BENEFITS

- ▶ Binds residual dust
- ▶ Closes screed pores and adjusts absorbency
- ▶ Powerful bonding bridge
- ▶ High Performance
- ▶ Ideal in the preparation of areas to be levelled
- ▶ Easy to apply
- ▶ Water-based and solvent-free

- ▶ Non-flammable
- ▶ Non reemulsifiable

### USES

- Very low-emission dispersion primer used as bonding bridge on porous surfaces such as: concretes, mortars, natural stone, ceramic tiles, etc., ensuring the adhesiveness of the repair mortars or self leveling compounds to the substrate
- For indoor use only
- For sealing porous surfaces, avoiding the bubble formation and improving the finish of the self leveling compound
- As auxiliary primer to improve the adherence of repair mortars such as Ceresit RS 88 or Ceresit RS FIX

### APPLICATION INSTRUCTIONS

**1. Substrate preparation.** The mortar or concrete floor to prime must have at least 28 days of age to obtain the complete setting, have full compressive strength and



be moisture-free.

Ceresit R 777 must be applied on clean and dry surfaces, without pollutants as curing membranes or oils and be structurally sound. In the event of cracks, repair them with Ceresit RS 88 repair mortar (see technical datasheet). Do not repair structural cracks with Ceresit RS 88.

For the application of this primer, the surface must be porous and absorbent to ensure adhesion.

A way to assess the absorption of the surface is to pour a little water (20 ml / 0.01 USGal.) on it and leave it approximately 10 minutes. If the water remains as it is at the end of the stipulated time, you can say that it is an area of low absorption. On the contrary, if the water is absorbed, then it is considered as a porous and absorbing surface.

In case of ceramic surfaces, epoxy coatings or highly polished concrete (scorched), this product must not be used and instead you should use the primer Ceresit R 766 according to the directions on the technical datasheet.

In some cases where the concrete does not have a good surface hardness or it is required to lower the level of existing ridges, in order to decrease the consumption of the self leveling compound, it is advisable to use a scarifying machine.

Preferably, vacuum immediately the surface to be primed before the application. To achieve a better removal of dust and loose particles, use an industrial vacuum cleaner.

**2. Application.** Shake contents of the package before use.

Ceresit R 777 must be diluted with clean, fresh water in a clean container, in a 1:1 ratio.

Mix with a paddle to ensure that the mix is entirely homogeneous.

Application is done by pouring the dilution directly on the floor and distributing it evenly through the use of a "chunky" plush roller and a brush for the edges. It is advisable to apply it evenly making sure that there are no sections unprimed and that the product is not applied excessively to avoid gaps in the seal that can result in bubbles or craters in the layer of the self leveling compound. Application must be generous to ensure the sealing of the surface and reduce porosity but excess and waterlogging of the primer must be avoided. It is recommended to simultaneously move the roller crosswise to ensure uniformity of sealing.

For highly porous and absorbent substrates apply a second coat of the Ceresit R 777 dilution.

In case of need and for best results, Ceresit R 777 can even be applied directly without dilution.

Freshly applied, the product will have an area of "milky" appearance which will become transparent as it dries.

The primer must be left to dry for 1 to 2 hours depending on the room temperature.

You must apply the self levelling compound or repair mortar within 5 hours after the application of the primer. For further information, contact our Technical Customer Service.

## IMPORTANT INFORMATION

- Ceresit R 777 does not solve problems that may occur due to the existence of hydrostatic pressures as a result of groundwater levels. In this case, the application of a vapor barrier should have been foreseen from the floor construction
- In the presence of moisture problems, concrete must be waterproofed
- During the application and the drying process, prevent airstream presence to avoid dust accumulation
- Do not use on ceramic or glazed surfaces or coatings; for these, use Ceresit R 766 primer (see data sheet)
- Do not apply the product if the room temperature is below 5° C (41°F) or over 50° C (122°F). At higher temperatures, the working effectiveness decreases and the product setting accelerates
- Do not apply in areas with permanent humidity or wet surfaces
- Do not apply on wooden surfaces
- For the preparation of the product, use only clean, fresh water (20 - 25° C, 68 - 77°F)
- Do not add more water than what is indicated in the instructions
- Do not mix Ceresit R 777 with other primers
- Tightly seal containers after each use
- Block AC registers or drainage by using wet paper
- Do not allow product to reach sewage system

## SAFETY INFORMATION

Personal protective equipment must be used like rubber gloves for industrial use, goggles and a dust mask.

Does not contain solvents, lead, or other heavy metals. In case of contact with skin or eyes, wash immediately with plenty of water and seek medical advice. Good ventilation must be ensured during and after application and drying. Avoid eating, drinking or smoking when using this product. Keep out of the reach of children.

Refer to Safety Data Sheet for further health and safety information

**For further information, see safety measures in the label or the safety data sheet. The safety data sheet of the product is available on [ceresit.com](http://ceresit.com) and [ceresit.com.mx](http://ceresit.com.mx)**

## TECHNICAL DATA

Supplied as	Milky white fluid
Packaging	Plastic canister, 10 L
Specific Weight	1.01 kg/L (8.43 lb /US gal)
Solid Content	19.0 %
VOC content	0.045 g/L (aprox. 0.0004 lb/US Gal)
Yield	Aprox. 7.0 m <sup>2</sup> /L dil. 1:1 with water (aprox. 285 sq ft per US Gal)
Drying time before self-leveling application	1 - 2 hours
Maximum Stowage	6 superimposed pieces
Shelf life and storage conditions	12 months in closed original packaging. Keep in a cool and dry place, protected from sunlight and moisture

Notes: The above mentioned data were obtained in lab conditions, at 24°C (75°F) +/- 1 and 50% of relative humidity.

Data specified for application time, setting, finish, and pedestrian traffic, may vary depending on the environmental conditions and the thickness applied.

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Recommendations provided in this data sheet are based on laboratory tests and our experience. Nevertheless, while the methods and conditions under which this product will be applied are beyond our control, it is advisable that users perform functional tests according to their needs. For any questions or cases not covered, consult our Technical Customer Service.



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