

DD+

Self-levelling screed for heavy traffic

For thicknesses between 0.5-10mm

FEATURES

- ▶ fast hardening
- ▶ for parquet works
- ▶ for concentrated tasks (e.g.: wheelchairs)
- ▶ usable in the case of underfloor heating

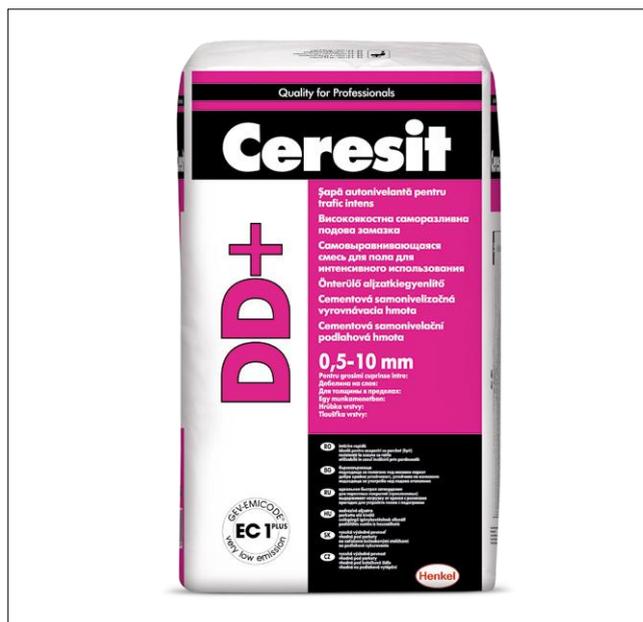
FIELDS OF APPLICATION

Ceresit DD+ is a screed for levelling absorbent substrates (concrete slabs, cement screeds and anhydrite screeds) only indoors. After curing, it can be covered with PVC carpet, carpet, linoleum, rubber and parquet. It hardens quickly and, thanks to its high resistance, is suitable under glued parquet with lengths of up to 0.5m (DD+ is applied under parquet in a layer of min. 3 mm). Wheelchair and underfloor heating resistant. Do not use Ceresit DD+ to make screeds or wear layers. Do not use on asphalt mastic screeds.

PREPARATION OF THE SUPPORT SURFACE

The substrates must comply with the requirements of the national regulations in force (e.g.: GP 037/0-1998). The surfaces must be permanently dry (maximum humidity 2% CM), clean, without cracks or substances that prevent adhesion: bitumen, asphalt, oils, fats, decofrol. Cracks and crevices must be mechanically widened, cleaned of dust and filled with R755 sprinkled with quartz sand. Support repairs are done with RS 88 or CX5 quick mortar. The recommended compressive strength of the support layer to be at least 15N/M². Before applying the levelling compounds, it must always be ensured that, in the case of floating screeds, the residual moisture of the substrate is < 2 CM % on cement screeds without floor heating (resp. < 1.8 % with underfloor heating) and < 0.5 CM % for screeds with calcium sulphate without floor heating (resp. < 0.3 % with underfloor heating). In the case of adhesive screeds and when the levelling compound is applied directly to concrete surfaces, it is necessary to determine the residual moisture over the cross-section of the screed.

If it is not possible to determine the residual moisture, a sufficient drying time of several months must be observed. Composite structures should also be protected with a moisture barrier (e.g. Ceresit R 755 and quartz sand anchor) against moisture build-up in the floor construction. In the case of parquet (glued) works, the support surface must have, in addition to the above



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conditions, resistance to pulling > 1.5 N/mm²

Concrete slabs and cement screeds:

Hollow-sounding and soft surfaces mechanically removed. Clean the surface and vacuum the dust. Prime the substrate with Ceresit R 766 or Ceresit R 777 in two layers to get the best grip. If necessary, the dilution of the primers is determined according to the degree of absorption of the support. Apply the self-levelling screed when the surface primed is dry (approx. 1 hour). For thicknesses of 9-10 mm we recommend Ceresit R 755 sprinkled with quartz sand.

Anhydrite screed:

After sanding and vacuuming, it must be primed with Ceresit R 777 (diluted 1:1). The drying time of the primer is 48 hours.

Critical surfaces:

Smooth non-absorbent surfaces such as mosaics and ceramic tiles, screeds, stone or epoxy/polyester resin-based surfaces must be treated with R 755 primer, followed by anchoring with quartz sand. Pouring the screed is possible when the primer is completely dry (12 - 24 hours). The recommended grain size for quartz sand is 0.3 - 0.8. If the non-absorbent support is old, first degrease and rinse it, after which it is primed.

APPLICATION MODE

Pour the bag of Ceresit DD+ into 5.8-6.3 litres of clean water and mix with a low speed mixer (max. 600 rpm) until you get a homogeneous paste, without lumps. After mixing, allow the material to mature for 2-3 minutes and then mix again. Pour on the previously primed surface in continuous strips of 25-30 cm. While being poured, the self-levelling screed will be levelled with a wide, fine-toothed trowel though. To obtain a perfectly smooth surface (without pores) the freshly cast surface must be de-aerated using a spiked roller (immediately after casting). Ceresit DD+ is suitable for pump application. The temperature of the support on which the screed is applied must be higher than 15°C, and the air temperature higher than 18°C, in conditions of maximum relative humidity of 75%.

IMPORTANT INFORMATION

Protect the screed against accelerated drying (direct exposure to the sun, drafts, etc.). The application time (from mixing with water) is 20 - 25 minutes. All the above data were obtained at a temperature of 23°C and a relative air humidity of 50%. In other climatic conditions the hardening can be accelerated or delayed. The moisture content of the substrate must be measured before pouring the self-levelling screed. Contains cement, organic additives and fillers. Sufficient drying time must be observed and ensured. Apply a layer with a minimum thickness of 2 mm on non-absorbent substrates.

SHELF LIFE

9 months from the date printed on the original packaging, tightly closed and in dry places (relative air humidity <50%) and temperature above 0°C.

PACKAGING

25 kg paper bags; pallets of 42 bags.

GENERAL INFORMATION

Low chromate content. Contains cement. It has a strong alkaline reaction with moisture, so protect your skin and eyes. After contact with the product, immediately wash the skin with plenty of water. In case of eye contact, proceed similarly and consult a doctor.

WASTE DISPOSAL RECOMMENDATIONS

Only completely emptied packaging can be recycled. Dispose of cured product residue as industrial waste similar to household waste or in a commercial/construction waste collection container. Dispose of unhardened product residues as hazardous waste. Waste code: 170101.

TECHNICAL DATA

Colour:	grey
Composition:	cement mixture, aggregates and additives
Fresh mortar density:	approx. 1.3 kg/l
Water required:	5.8 - 6.3 l clean water / 25 kg
Application time:	20 - 25 minutes (from mixing with water)
Working temperature:	15°C - 30°C
Consumption, for information only	1.5 kg/m ² /mm thickness
Walkable:	after 4- 6 hours
Further coverage:	- after 1 day, for thicknesses < 3mm or max. 2% CM (for all flexible coatings) - after 2 days, for thicknesses > 3mm or max. 2% CM (for all flexible coatings) - after 3 days (for parquet) or max. 2% CM
Compression resistance days (SR EN 13892-2):	min 30 N/mm ² after 28
Bending strength: days (SR EN 13892-2)	min. 7 N/mm ² after 28
Resistance capacity:	layer thickness from 1 mm resistant to wheelchairs, according to EN 12529
Temperature resistance:	
- After hardening:	up to the max. +50°C, can be used in constructions with floor heating
- for transport	-20°C and +50°C
- for storage	0°C and +50°C
Adhesion to support (SR EN 13892-2):	min. 2.0 N/mm ²
Class (SR EN 13813):	CT-C 30 - F7 - B2.0

The information contained above is general and is not suitable for any support surface, project or system. The information is based on our experience accumulated to date and the results of continuous and careful tests. Varying conditions and methods of use will influence the application of this product. Optimum product performance depends on the user's professional judgement and compliance with: trade practice, applicable standards and codes of practice, which are factors beyond our control. Application, use and the processing of our products is outside our control and supervision and is your sole responsibility. The appearance of this Ceresit technical data sheet makes the previous product information obsolete.

