

Ceresit

KERTSCHER

CK 749

Paving Joint 1C

**1-component dry-brush mortar
based on PU resin**

CHARACTERISTICS

- ▶ for paving joints from 5 mm width upwards
- ▶ for natural stone, concrete or clinker paving
- ▶ easy workability
- ▶ weather- and frost-resistant
- ▶ capable of drainage

SCOPE OF USE

CK 749 Paving Joint 1C is used in areas with a medium traffic load, e.g. in pedestrian zones and access ways, on public squares and patios. It is also suitable for (public) gardens and forecourts.

The fully hardened mortar in the joint optically resembles a loose sand fill but is resistant to washout and road sweepers. The joint can be easily cleaned for a long time, does not wash out and is capable of drainage.

SUBSTRATE PREPARATION

CK 749 Paving Joint 1C can be used from a min. joint width of 5 mm upwards. Depending on the expected load, the substrate must be of sufficient load-bearing strength and frost resistance according to DIN 18 318 and ZTVP-StB 2000, ZTV Fug-StB 01. A water-impermeable substructure will result in the accumulation of water and destroy the joint in frosty weather. Before filling the joints, they must be raked out to a min. depth of 3 cm. Make sure that the surfaces and joint flanks are clean to ensure good edge adhesion and avoid permanent enclosure of dirt. If necessary, wash or rinse the stones.

APPLICATION

CK 749 Paving Joint 1C comes ready for use and is applied directly from the bucket. Do not open the bucket until shortly before use as the product starts to react, i.e. harden immediately.



Pour the mortar directly onto the area to be grouted; it should be as dry as possible. Brush the mortar with a stiff broom (Piassava/plastic bristles/coconut) diagonally into the joints. Make sure the joints are completely filled, especially in the case of narrow joints. The stone surface must be cleaned within the pot life (approx. 30 minutes). For this purpose, brush the area thoroughly off with a soft broom. This is best done crosswise in one direction, diagonally to the joints. Take care to leave no mortar in hollows of the stone surface. High temperatures accelerate hardening whereas low temperatures delay the drying process. Occasionally, efflorescence may occur, but this does not impair the quality of the grout. Efflorescence does not qualify as a structural defect.

After brushing the mortar in and cleaning the stone surface, the paving joints can be sprayed with a fine water mist (CK 319 Special Spray Gun) to accelerate hardening.

Any slight gloss remaining on the surface will disappear during use. Due to the great variety of stone materials available for paving, it is advisable to create a test area and carry out preliminary tests. Especially with bright and sensitive natural stones slight colour changes cannot be excluded. Take care to remove mortar residues before they harden in depressions of the paving material.

The required amount of mortar strongly depends on the joint width and degree of compaction. The table below can be used for guidance.

Approx. amount of mortar required (kg/m²) with a min. joint depth of 30 mm

Density in kg/l: 1.6 – Joint depth in mm: 30

Joint width in cm	0.5	0.8	1.0	1.5	2.0	3.0	4.0
Stone in cm length/width							
4/6	9	14	16	23	28	37	43
6/8	7	10	12	17	22	19	35
7/9	6	9	11	15	19	26	32
8/10	5	8	10	14	18	24	30
8/11	5	8	9	13	17	23	29
9/11	5	7	9	13	16	22	28
10/12	4	7	8	12	15	21	26
12/14	4	6	7	10	13	18	23
12/15	3	5	7	10	13	18	22
13/18	3	5	6	9	11	16	20
14/16	3	5	6	9	11	16	20
15/17	3	5	6	8	11	15	19
16/20	3	4	5	7	10	14	18

TECHNISCHE DATEN

Binder:	PU resin
Consistency / colour:	sandy / grey
Density:	approx. 1.6 kg/dm ³
Grain size:	0.3–0.8 mm (grey) 0–1.0 mm (sand-yellow)
Compressive strength:	approx. 30 N / mm ²
Bending tensile strength:	approx. 14 N / mm ²
Water permeability:	approx. 45 l/m ² /min. at 20 % joints
Application temperature:	+5 °C to +25 °C
Open time / pot life:	approx. 30 min. (at 20 °C)
Hardening:	
rainproof:	after 5 hrs
walkable / load-bearing:	after 24 hrs
full load-bearing strength:	after 7 days
Required amount:	depends on joint width and joint depth (see table above)
Cleaner:	Ceresit CE 51 Epoclean
Shelf life:	At least 6 months if stored in a cool, frost-free place in tightly closed original containers. Use up opened containers as quickly as possible.

Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers
Phone: +49 211 797 0
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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.

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