

Note on English translation:

This is a translation of the technical data sheet valid in Serbia.



Tiles installation systems

K511g.rs

Technical data sheet

09/2019



Knauf K7

Fast setting tile adhesive, with increased flexibility, for big formate floor tiles C2FE S1

Product description

Dry-mixed factory prepared cementitious, fast setting tiles adhesive, intended for installation of big formate floor tiles. For application of screeds and self-leveling underlayments as well as for „tile on tile“ installation.

Product composition

Portlandcement, sieved limestone, re-dispersible polymer, additives for workability, adhesivness and waterrepelancy.

Delivery

Sack 25 kg No. of the product 653497

Storing

Sacks has to be stored on wooden pallets at a dry place.

Quality

Product is subjected to permanent quality control and has CE marking. It is best to use product within 12 months from production date.

Area of application

- Installation of big format floor tiles
- For exterior and interior application
- For all types of ceramic, granite or gres tiles
- For use on cementitious screeds and self-leveling underlayment

- Ideal for installation of „tile on tile“
- For tile installations on screeds with floor heating
- For installation of tiles on Knauf polymer-cement 2K hydro-proofing membranes

Characteristics

- Cementitious tile adhesive C2FE S1 according to SRPS EN 12004
- Fast setting tile adhesive, passable after 4 to 6 hours
- Grouting is possible already after 6 h from tile installation
- Usable after 24 h
- Excellent adhesion and workability
- Prolonged open time for working
- Increased flexibility
- Grey color

Application

Substrate for the application	Preparation of the substrate
Nonsupporting substrates	Remove all nonsupporting layers of material
Uneven substrate with holes	Even and fill holes with suitable repair plaster
Cementitious screed, cementitious self-leveling underlayments	Apply primer Knauf Finish Grund or Tiefengrund and wait to dry
Concrete substrates	Apply primer Knauf Spezialhaftgrund
Existing tiles	Clean tiles and apply primer Knauf Spezialhaftgrund

Substrate preparation

Floor installation substrate has to be dry, without dust and grease, self-supporting, even and without any residues, which can reduce adhesiveness of the adhesive. Before of the application of the adhesive substrate has to be prepared according to the table „preparation of the substrate“.

Preparation of material

Sack content (25 kg) add to 8 l of clean water and mix to full homogenization. Leave the material for 5 min and then mix again. Material prepared in this way is ready for use. If necessary, adjust consistency by adding more water or powder material. Prepared material in bucket is usable within 60 min. Open time of applied adhesive (for work and correction is between 30 and 40 min. Tools are to be cleaned with water immediately after application.

Application

On already prepared surface apply adhesive in thin layer on whole area and overspread it with suitable notched trowel. Position tile on freshly applied adhesive and press with enough force, to achieve adequate bond between adhesive and tile. If necessary „floating and buttering“ process can be used, i.e. apply adhesive both on tile surface and on substrate surface in thin layers. Overall thickness of the adhesive after tile installation must not be greater than 5mm. In case of skin formation (test with finger) remove adhesive and apply new fresh layer.

Technical data

SRPS EN 12004

	Vrednost	Norma ispitivanja
Early tensile adhesion strength, after 6 h	≥ 0,5 N/mm ²	SRPS EN 12004-2
Tensile adhesion strength, open time after 30 min	≥ 0,5 N/mm ²	SRPS EN 12004-2
Initial adhesion tensile strength	≥ 1,0 N/mm ²	SRPS EN 12004-2
Tensile adhesion strength after water immersion	≥ 1,0 N/mm ²	SRPS EN 12004-2
Tensile adhesion strength after heat ageing	≥ 1,0 N/mm ²	SRPS EN 12004-2
Tensile adhesion strength after freeze-thaw cycles	≥ 1,0 N/mm ²	SRPS EN 12004-2
Flexibility class:	S1	SRPS EN 12004-2
Reaction to fire clas	E	SRPS EN 13501-1:2010

Technical data gives in this table are determined according to valid standards. Due to construction site conditions, minor deviation are possible.

Working temperature

Material should not be applied at temperatures of surrounding air and substrate below +5°C and higher than 25°C. Freshly applied adhesive protect from draft, fast drying and freezing.

Special notes

- If adhesive is applied on flooring systems with heating, heating must be switched off (minimum 24 h before beginning of application)
- High air and substrate temperatures are shortening open working time, setting time and drying time.
- Low substrate and air temperatures as well as increased air humidity prolong open time, setting time and drying time.
- Adhesive is to be applied in thin layer. Overall thickness after tile installation: till 5 mm
- Tile grout can be applied only after minimum 6 h
- Adhesive mix exclusively with clean water and without adding any additives.
- Tools and equipment clean with water immediately after usage.

Safety notes

For safety notes see Material Safety Data Sheet.

Consumption

	Toot size on nocthed trowel mm	Consumption kg/m ²	Yield m ² /sack	Yield m ² /ton
Adhesion	8	ca. 2,6	ca. 9,6	ca. 380,0
	10	ca. 3,3	ca. 7,5	ca. 300,0

*All data given about consumption are indicative and can deviate due to substrate quality and way of application.
Exact consumption is to be determined at building site.*

Product portfolio

K7	Packaging	pcs/pallet	Product No.	EAN code
Sack	25 kg	54 sack/pallet	653497	8606108939581

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