

FKW 134 FAST SETTING ACRYLIC TILES ADHESIVE

C2FT ACCORDING TO
EN 12004

DESCRIPTION

FKW 134 is a fast setting tiles adhesive based on cement, modified by polymer additives. It is adequate for interior and exterior areas on floors and walls. It consists of special cement types, quartz sand, lime fillers and improvement additives. FKW 134 is ideal for applications requiring mounting and delivery of the tile layering on the same day (wall or floor). The usage of surface with light load can take

place within 2 - 3 hours following application while on the next day the surfaces can be delivered for full deployment even under heavy loads. It presents very strong adhesion on all common sub-layers and high resistance against weather conditions (rain – heat-wave - frost). It presents slippage resistance and it is ranked as type C2FT adhesive, as per EN 12004 standard.

FIELDS OF APPLICATION

Particularly recommended for the adhesion of both absorbent and non-absorbent tiles (i.e. granites), on sub-layers requiring high adhesion tolerances, elasticity and resistance to climatic conditions. Its thixotropic qualities allow the crew to commense tiles adhesion from the upper side towards the lower one. It is adequate for the adhesion of:

- small or large ceramic tiles of all types
- thin marble rock tiles
- granites

• decorative elements and inlays
On common substrates such as:

- concrete
- light concrete
- porous concrete (YTONG)
- renders
- flat walls with filled joints
- self-leveling floors
- plaster boards following priming with acrylic primer GLX 290

ADVANTAGES - CHARACTERISTICS

- Produced with quartz sand
- Fast setting
- Project delivery on the same day
- Has the same open time with other regular setting adhesives (20min)
- Strong adhesion on vertical surfaces
- Adequate for the adhesion of non absorbent tiles
- Strong adhesion on all common sub-layers
- Excellent workability
- High tolerance – Fast application
- Resistance to humidity and frost
- Ideal choice for difficult sub-layers
- CE certified- as per the European standard EN 12004

SUBSTRATE PREPARATION

The tile laying sub-layer must be flat, free from brittle and foreign bodies such as for example plaster residue, paint, oils, etc. It must be stable and free from shrinkage and

distortion forces and must not be subject to vibrations. The absorbent sub-layers are primed using GLX 290 primer before application.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

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APPLICATION

In a clean container add 6.5-7.0 liters of clean water and gradually empty the content of a 25 Kg sack of product FKW 134, mixing continuously with an electric mixer in order to acquire a uniform slurry mass. Let the resulting mixture age for 5 minutes and mix again. The mixture is ready to be used within the next 1.5 hours. Following the preparation of the mixture do not add more water in order to correct the workability of the slurry. This would lead to the reduction of its tolerances and the increase of its shrinkage. Spread the adhesive on the surface and then comb the adhesive layer using a special toothed spatula. Within 10 min since adhesive layering, place the tiles at

their location, pressuring firmly in order to ensure full contact. The installation of tiles on the wall may be performed starting from the upper part with the entire tile and without any slippage. The excess adhesive must be cleaned off the joints prior to its drying on surfaces larger than 25m² it is necessary to install expansion joints. At the areas of contact of floors with walls it is recommended to use adequate silica-containing pastes. During application and for the next 24 hours the environmental and sub-layer temperature must be between +5 °C and +35 °C. The adhesive is cleaned with water while still wet. When it hardens it is removed mechanically.

MOUNTING

Walking is allowed after 2 hours.

Floor mounting is performed after 3 hours while wall mounting after 2 hours. For mounting, tile grouts of

THRAKON FMF150 (based on cement) or FMF155 (based on epoxy) can be used.

CONSUMPTION

The consumption of FKW 134 is approximately 3.0 - 5,0 kg/ m². It depends on the tiles type.

MODIFICATION

If during mixture preparation there is addition of 1-2 kg/sack of 25Kg, of VLX 186 emulsion and the necessary water quantity, there is enhancement of the product characteristics which shall respond to EN 12002 – S1 .

Following modification the adhesive is adequate for the adhesion of tiles on non-absorbent sub-layers and open areas subjected to intense temperature variations, vibrations and contractions – dilations

PACKING - STORAGE

The product is packed in plastic bags of 5Kg and paper bags incorporating a valve of 25Kg. It is preservatively stored on wooden pallets

and in dry environment under temperatures greater than 0°C for 12 months of the production date.

NOT RECOMMENDED

It is not recommended for usage in:

- substrates made of plaster without prior priming
- glass plastic
- old tiles

- On floors subjected to particularly intense distortion and vibration such as iron, wood, etc

In these cases, there should be usage of special THRAKON adhesive types.



PRECAUTIONS

FKW 134 contains cement that reacts with water producing an alkaline solution. For this reason protect your eyes and skin. In case of contact wash with plenty of water. In case of contact with the eyes seek immediately medical advice. Read

the instructions on the label and the Technical Brochure of the product before use. Use adequate protective clothing and gloves. The Safety Sheet of the product is availed to professionals upon request.

TYPE C2FT OF THE EUROPEAN STANDARD EN 12004

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			dry powder
Color			grey / white
Application thickness	(mm)		10
Resistance to temperature	(°C)		-30 to +90
Maximum grain size	(mm)		0,5
Working time	(h)	EN 1015 - 9	1,5
Correction time	(min)	EN 1015 - 9	≥15
Open time (10min)	(N/mm ²)	EN 1346	≥0,5
Premature detachment torelance (24h)	(N/mm ²)	EN 1348	≥1
Initial tensile adhesion strength	(N/mm ²)	EN 1348	≥1
Tensile adhesion strength after water immersion	(N/mm ²)	EN 1348	≥1
Tensile adhesion strength after heat ageing	(N/mm ²)	EN 1348	≥1
Tensile adhesion strength after freeze-thaw cycles	(N/mm ²)	EN 1348	≥1
Slip	(mm)	EN 1308	≥0,5
Walking	(h)		2
Resistances development time	(days)		1
Wall grouting	(h)		2
Floor grouting	(h)		3
Consumption	(Kg/m ²)		3 - 5
	(ml water /100g of dry mortar)		26 - 28

Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50% and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite such as temperature, humidity, ventilation, sub-layer and frame absorbance.

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