

SKW 112 ACRYLIC TILE ADHESIVE FOR INTERIOR AND EXTERIOR APPLICATIONS

C1 ACCORDING TO EN 12004

DESCRIPTION

SKW 112 is a thin layer, cement based tile adhesive modified using polymer additives for application on both horizontal and vertical surfaces in both interior and exterior areas. It consists of cement, quartz sand, lime fillers and admixtures. SKW 112

presents strong adhesion on all common substrates and it is resistant to humidity and frost. It is classified as an adhesive type C1 as per EN 12004 for interior and exterior applications.

FIELDS OF APPLICATION Suitable for interior and exterior application.

For the adhesion of:

- clay tiles
- ceramic tiles
- ceramic inlays
- decorative elements consisting of inlays attached on a mesh
- ceramic slabs and ceramic materials, etc.

On common substrates such as:

- concrete
- light weight concrete
- renders
- flat walls with field joints
- cement screeds
- self-leveling floors, etc.

ADVANTAGES-CHARACTERISTICS

- Produced with quartz sand
- Strong adhesion on all common substrates
- Excellent workability
- High mechanical strength – Fast application
- CE certified- according to European standard EN 12004

SUBSTRATE PREPARATION

The tile laying substrates 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 substrates are primed using GLX 290 primer before application.

APPLICATION

In a clean container add 7,0-7,5 litres of clean water and gradually empty the content of a 25 Kg sack of product SKW 112, stirring continuously with an electric mixer in order to acquire a uniform wet mortar mass. Let the resulting mixture age for 5 minutes and stir again. The mixture is ready to be used within the next 4 hours. Following the preparation of the mixture do not add more water in order to correct the workability of the wet mortar. This will lead to the reduction of its strength and the increase of its shrinkage. Spread the adhesive on the surface and then comb the adhesive layer using a special notched spatula. Within 20 min of adhesive layering, place the tiles at their location, pressuring firmly in order to

ensure full contact. The excess adhesive must be cleaned from the joints prior to its drying.

On surfaces larger than 25m² it is necessary to install expansion joints. At the contact joints between floors and wall it is recommended to use suitable joint fillers.

During application and for the next 24 hours the environmental and substrate temperature must be between +5 °C and +35 °C. The cleaning of the adhesive is done with water while still wet. When it hardens it is removed mechanically.

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.

SKW 112 ACRYLIC TILES ADHESIVE FOR INTERIOR AND EXTERIOR APPLICATIONS

C1 ACCORDING TO EN 12004

CONSUMPTION

The consumption of SKW 112 is approximately 2,0 - 4,0 kg / m². It depends on the tiles type, the tools and the application method.

Spatula mm	Consumption kg / m ²
6	2,4
8	3,3
10	4,0

MODIFICATION

If during mixture preparation you add of 1-2 kg VLX 186 emulsion/sack of 25Kg and the necessary water quantity, there is enhancement of the product characteristics which shall respond to class C2 of the European standard EN 12004 and class S1 of EN 12002.

Following modification the adhesive is adequate for the adhesion of non absorbent tiles and for application on sub-layers subjected to temperature variations.

PACKING-STORAGE

The product is packed in valve-sacks of 25 Kg and preserved stored on wooden pallets in dry environment at temperatures greater than 0°C for 12 months from its production date.

GROUTING

Walking and grouting is allowed after 24 hours. For mounting there is usage of the tile grouts of the tile grouts of THRAKON FMF150, FMF160 LUX (based on cement) or FMF155 (based on epoxy).

NOT RECOMMENDED

It is not recommended for usage in:

- substrates made of plaster without prior priming
- glass, plastic, iron, wood
- heated floors
- pools, tanks

- old tile layering
- floors submitted to distortions and vibration
- large size tiles
- non absorbent tiles

In these cases, the application of a special type of THRAKON adhesive is recommended.

PRECAUTIONS

SKW 112 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. Wear suitable protective clothing and gloves The Safety Sheet of the product is availed to professionals upon request.



TYPE C1 OF EUROPEAN STANDARD EN 12004

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			dry powder
Color			grey / white
Application thickness	(mm)		10
Resistance temperature	(°C)		-30 to +90
Maximum grain size	(mm)		0,5
Working time	(h)	EN 1015-9	5
Correction time	(min)	EN 1015-9	≥15
Open time (30min)	(N/mm ²)	EN 1346	≥0,5
Initial tensile adhesion strength	(N/mm ²)	EN 1348	≥0,5
Tensile adhesion strength after water immersion	(N/mm ²)	EN 1348	≥0,5
Tensile adhesion strength after heat ageing	(N/mm ²)	EN 1348	≥0,5
Tensile adhesion strength after freeze-thaw cycles	(N/mm ²)	EN 1348	≥0,5
Bonding with the substrate		Excellent	24
Shrinkage		No	14
Wall grouting	(h)		12
Floor grouting	(h)		24
Consumption	(Kg/m ²)		2-4
Water demand properties	(ml water /100g of dry mortar)		28-32

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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