

# SKW 114 EXTRA TILE ADHESIVE WITH ZERO VERTICAL SLIPPAGE

**C1T** ACCORDING TO  
EN 12004

## DESCRIPTION

SKW 114 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 114 presents strong adhesion on all common substrates and it is resistant to humidity and frost. It presents zero slippage and it is classified as type C1T adhesive, as per EN 12004 standard.

## FIELDS OF APPLICATION

*Adhesive SKW 114 is suitable for coating walls and floors with tiles in both interior and exterior areas. Its thixotropic qualities allow the crew to commence tiles adhesion from the upper side towards the lower one. It is adequate for the adhesion of:*

- clay tiles
- ceramic tiles
- ceramic inlays
- decorative elements consisting of inlays attached to a mesh

- ceramic slabs and ceramic materials, etc.

*On common substrates such as:*

- concrete
- light weight concrete
- AAC (YTONG)
- renders
- flat walls with filled joints
- self-leveling floors, etc.
- cement screeds

## ADVANTAGES - CHARACTERISTICS

- Produced with quartz sand
- Strong adhesion on vertical surfaces without tile slippage
- Excellent workability

- High mechanical strength– Fast application
- CE certified product- according to European standard EN 12004

## SUBSTRATE PREPARATION

The tile-layering substrates must be flat, without large cracks, free from brittle and foreign bodies such as for example plaster residue, paint, oils, etc. It must be stable

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 114, stirring continuously with an electric mixer in order to acquire a uniform wet mortar mass. Let the resulting mixture age for 5 minutes and mix 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 would 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 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 from the joints prior to drying.

On surfaces larger than 25m<sup>2</sup> it is necessary to install expansion joints. At the contact joints between floor and walls it is recommended to use adequate silica-containing pastes.

During application and for the next 24 hours the environmental and substrates temperature must be between +5C and +35C.

The cleaning of the adhesive is done with water while still wet. When it hardens it is removed mechanically.



## GROUTING

Walking and passability is allowed after 24 hours.  
THRAKON FMF 150, FMF 160 LUX tile grouts (based

on cement) or if necessary, THRAKON FMF epoxy grouts can be used for mounting.

## CONSUMPTION

The consumption of SKW 114 is approximately 2.0-4,0 kg/m<sup>2</sup> and depends on the tiles type.

Tile size	Spatula mm	Consumption kg / m <sup>2</sup>
small	6	2,1
medium	8	3,0
large	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 C2T 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 substrate subjected to temperature variations.

## PACKING - STORAGE

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

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

## TOOLS AND MACHINES CLEANING

Rinse with water right after application.

## NOT RECOMMENDED

*It is not recommended for application in:*

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

- 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 114 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 information contained on the label and the Technical Sheet of the product before use. Use suitable protective clothing and gloves. The Safety Sheet of the product is availed to professionals upon request.

*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.*

Product Properties Sheet  
Version: B' - 01/12/2011

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### TYPE C1T OF THE 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	≥30
Open time (20min)	(N/mm <sup>2</sup> )	EN 1346	≥0,5
Initial tensile adhesion strength	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Tensile adhesion after water immersion	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Tensile adhesion after heat ageing	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Tensile adhesion after freeze-thaw cycles	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Slip	(mm)	EN 1308	≥0,5
Walking	(h)		24
Mechanical strength	(days)		14
Wall grouting	(h)		12
Floor grouting	(h)		24
Consumption	(Kg/m <sup>2</sup> )		2 - 4
Water demand properties	(ml water /100g of dry mortar)		25 - 27

*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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