

## SKW 117 STONE

HIGH STRENGTH , THICK BED ADHESIVE  
FOR CERAMIC TILES AND NATURAL STONE

**C1TE**

ACCORDING TO  
EN 12004

### DESCRIPTION

**SKW 117 STONE** is a thick-bed (up to 15mm), polymer modified, cement based adhesive for fixing tiles and natural stone. It provides vertical slip resistance of the tile on the wall, very strong bonding to all common inorganic substrates and high resistance to weather

conditions (rain-heat-frost). It has extended open time (up to 30 min) that helps application teams to increase their productivity. It is classified as C1TE adhesive according to EN 12004 for internal and external use.

### FIELDS OF APPLICATION

**SKW 117 STONE** is specially suited for fixing ceramic tiles and natural stones on all common mineral

substrates. It is recommended for substrate levelling prior to tiling. It is suitable for internal and external usage.

### ADVANTAGES - CHARACTERISTICS

- Strong adhesion to inorganic substrates.
- Strong adhesion on vertical surfaces.
- Suitable for the adhesion of natural stones , rocks and absorbent tiles.
- Suitable for substrate levelling prior to tiling.
- Excellent workability.
- Fast application.
- Resistance to humidity and frost.
- CE certified according to the European standard EN 12004.

### SUBSTRATE PREPARATION

The substrate must be flat, free from brittle and loose particles such as plaster residues, paints, oils, etc. It must be stable and free from shrinkage and distortion

tensions and must not be subject to vibrations. Absorbent substrates should be primed with **GLX 290** or **GLX 292 FLEX PRIM** before application.

### APPLICATION

In a clean container add 6,0-6,5 liters of clean water and gradually empty the content of a 25Kg bag of **SKW 117 STONE**, stirring continuously with an electric mixer in order to acquire a uniform slurry of mortar. Let the mixture rest for 5 minutes and stir again. The mixture is ready for application within the next 4 hours. After the preparation of the mixture do not add more water in order to adjust the workability of the slurry. This would lead to the reduction of its mechanical strengths and to the increase of its shrinkage. Spread the adhesive on the substrate and then comb it with notched trowel. Within the next 30 min from the application of the adhesive, place the tiles at their location, pressing firmly in

order to ensure full contact. The tile installation on the wall may be performed starting from the upper part of the wall with the entire tile and without any slippage. The excess adhesive must be removed from the joints prior to its drying. On surfaces larger than 25m<sup>2</sup> it is necessary to install expansion joints. At the connection between floors and walls it is recommended apply suitable silicon sealants. During application and for the next 24 hours the ambient and substrate temperature should be between +5°C and +35°C. The adhesive is cleaned with water while still wet. When it hardens it is removed mechanically.



## GROUTING

Grouting and walking on the floor is allowed after 24 hours. Grouting on the wall is allowed after 12 hours. For grouting it is recommended to use **FMF 150, FMF 160**

**LUX** tile grouts (cementitious) or if necessary **FMF 155** epoxy tile grouts.

## CONSUMPTION

The consumption of **SKW 117 STONE** is approximately 2,0-8,0 kg/m<sup>2</sup>. It depends on tooth size and the type of the substrate.

## MODIFICATION

If during preparation of the mixture you add 1-2kg per 25kg bag of **VLX 186** together with the necessary quantity of water, you can achieve enhancement of the product characteristics which after that shall conform to the S1 class of the EN 12002 European standard.

After the modification the adhesive should be suitable for bonding tiles on non-absorbent substrates and outside areas that are subject to temperature variations, vibrations and contractions-expansions.

## PACKING - STORAGE

The product is packed in 25kg paper bags and is preserved in sealed packages for at least 12 months after.

production date, in places protected against humidity, frost and intense radiation

## NOT RECOMMENDED

*It is not recommended for use on:*

- Gypsum substrates without priming.
- Glass, plastic
- Old tiling.

- Floors submitted to distortions and vibrations, such as metal, wood, etc.

*For these cases it is recommended to use special type THRAKON adhesives.*

## PRECAUTION

**SKW 117 STONE** 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 Data Sheet of product before use. Use suitable protective clothing and gloves. The Material Safety Data Sheet of the product is available to professionals upon request.

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### TYPE C2TE OF EUROPEAN STANDARD EN 12004

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			Dry powder
Color			white/ grey
Application thickness	(mm)		15
Resistance to temperature	( <sup>0</sup> C)		-30 to +70
Maximum grain size	(mm)		1,5
Workable time	(h)	EN 1015-9	≥4
Correction time	(min)	EN 1015-9	≥30
Open time (30min)	(N/mm <sup>2</sup> )	EN 1346	≥0,5
Initial tensile adhesion strength	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Tensile adhesion strength after water immersion	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Tensile adhesion strength after heat ageing	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Tensile adhesion strength after freeze-thaw cycles	(N/mm <sup>2</sup> )	EN 1348	≥0,5
Slip	(mm)	EN 1308	≤0,5
Walking	(h)		24
Wall grouting	(h)		12
Floor grouting	(h)		24
Consumption	(Kg/ m <sup>2</sup> )		2-4

*Note:* The measurements were taken in laboratory environment under a temperature of +23<sup>0</sup>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