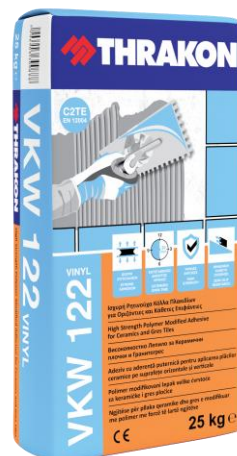


VINYL VKW 122

Tile adhesive for non absorbent tiles with increased open time

VINYL VKW 122 is a thin layer adhesive for absorbent and non-absorbent tiles based on cement and modified with polymer additives for usage on both horizontal and vertical surfaces. It consists of cement, lime fillers and improvement additives. VINYL VKW 122 presents resistance against slippage, has very strong adhesion on all common substrates and high resistance against weather conditions (rain-heat-frost). It avails extended open time (up to 30 min) thus increasing productivity. It is ranked as a C2TE adhesive according to EN 12004 for interior and exterior applications.



Advantages:

- Strong adhesion on vertical substrates.
- Adequate for the adhesion of non-absorbent tiles.
- Adequate for substrates submitted to intense stress.
- Excellent workability.
- High tolerance – Fast application.
- Resistance to humidity and frost.
- CE certified – according to the European standard EN 12004.

C2TE

CE
 **EPD**
INTERNATIONAL EPD SYSTEM

TECHNICAL CHARACTERISTICS

Packaging:



Paper bags
• 25kg

Application:



For interior and exterior use.
Suitable for coating walls and
floors ceramic tiles

Color:



Grey, white.

Storage:



Stored in wooden pallets at temperatures
higher than +0°C for 12 months from
production date.

Consumption:



~ 2.4 – 4.0 kg/m².

FIELDS OF APPLICATION

VINYL VKW 122 is suitable for coating walls and floors with small and large tiles in both interior and exterior areas. It is particularly recommended for non-absorbent tiles subjected to intense stresses. Its thixotropic qualities allow the crew to commence tile adhesion from the upper side to the lower one. It is suitable for the adhesion of:

- Small or large ceramic tiles of all types.
- Thin marble rock tiles.
- Natural or artificial granite tiles.
- Cotto tiles.
- Klinker tiles.
- Glass inlays.
- Porcelain tiles.
- Decorative elements and inlays.

On common substrates such as:

- Concrete.
- Light concrete.
- Porous concrete (YTONG).
- Renders
- Flat walls with filled joints.
- Self-levelling floors.
- Cement screeds.
- Mosaics.

Within 20 min since adhesive layering, place the tiles at their location, pressuring firmly in order to ensure full contact. The installation of the tiles on the wall may be performed starting from the upper part with the entire tile and without any slippage. 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 substrate 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.

GROUTING

Grouting and walkability is performed after at least 24 hours. For grouting use the cement-based grouts of THRAKON FMF 150 ULTRA GROUTECH and FMF 160 LUX GROUTECH or, if required, the epoxy grout FMF 155 EPOXY GROUTECH.

SUBSTRATE PREPARATION

The tile laying substrate must be flat, free from brittle and foreign bodies such as 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. distortion forces and must not be subject to vibrations. Absorbent substrates must be primed using GLX 290 or GLX 292 prior to application. For non-absorbent substrates, priming should be carried out using GLX 298 or GLX 190.

APPLICATION

In a clean container add 7.0 – 7.5 liters of clean water and gradually add the content of a 25 Kg bag of VINYL VKW 122, mixing continuously with an electric mixer in order to acquire a homogenous slurry mass.

Let the resulting mixture mature for 5 minutes and mix again for a while. 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 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.

CONSUMPTION

The consumption of VINYL VKW 122 is approximately 2.0 – 4.0 kg/m². It depends on the tiles type.

Tile size	Spatula (mm)	Consumption (kg/m ²)
Small	6	~ 2.4
Medium	8	~ 3.3
Large	10	~ 4.0

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 class S1 of EN 12002. 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.

NOT RECOMMENDED

It is not recommended for usage in:

- Substrate made of plaster without prior priming.
- Glass, plastic, iron, wood.
- Heated floors.
- Pools, tanks.
- Floors submitted to distortions and vibrations.

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

PRECAUTIONS

VINYL VKW 122 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 adequate protective clothing and gloves. The Safety Sheet of the product is availed to professionals upon request.

Technical characteristics	Units	Standard	Value
Form			Dry powder
Color			White/grey
Application thickness	mm		10
Resistance to temperature	°C		-30 to +90
Maximum grain size	mm		0.7
Working time	h	EN 1015-9	4
Correction time	min	EN 1015-9	≥ 30
Open time (30min)	N/mm ²	EN 1346	≥ 0.5
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		24
Strength development	days		14
Wall grouting	h		12
Floor grouting	h		24
Consumption	kg/m ²		2 – 4

*Note: The measurements were taken in laboratory environment under normal temperature and relative humidity conditions (+23°C, 50%). It is possible for them to vary depending on the conditions prevailing at the worksite (temperature, humidity, absorbability of the substrate). 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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