

## MKW 136 MARBLE ADHESIVE

**C2T** ACCORDING TO  
EN 12004

### DESCRIPTION

MKW 136 is a marble and granite adhesive based on cement and modified with polymer additives for usage on horizontal and vertical surfaces and for great thicknesses applications. It is adequate for both interior and exterior surfaces. It consists of cement, quartz sand, inert lime material (marble) and improvement additives.

MKW 136 has very strong adhesion on all common sub-layers and high resistance against weather conditions (rain – heat-wave - frost). Moreover it protects the marble surfaces against staining.

The product presents slippage resistance and it is ranked as type C2FT adhesive, as per EN 12004 standard.

### FIELDS OF APPLICATION

*Adhesion of tiles and marble and granite slabs for interior and exterior use and for horizontal or vertical surfaces on common and relatively smooth sub-layers:*

- concrete
- light concrete

- Porous concrete
- renders
- flat walls with filled joints
- self-leveling floors
- mosaic inlays

### ADVANTAGES - CHARACTERISTICS

- Produced with ultra-white inert lime material
- Strong adhesion on vertical surfaces
- Adequate for the adhesion of marbles and granites
- Resistance to weather conditions
- Applied at a thickness up to 1,5cm

- Excellent workability
- High tolerance – Fast application
- Resistance to humidity and frost
- CE certified- as per the European standard EN 12004

### SUBSTRATE PREPARATION

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

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

### APPLICATION

In a clean container add 4.5-5.0 liters of clean water and gradually empty the content of a 25 Kg sack of product FSW 140, mixing continuously with an electric mixer in order to acquire a uniform grout 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. The open time for application is 10min. Following completion of the application clean the surface with a wet sponge.

The open time for application is 10min. Any excess adhesive must be removed from the joints. After the lapse of 1-2 hours from the application of the grout on the firebricks, perform mounting using the same product. Prior to the initial usage of the fireplace, oven, etc, the grout must be fully dried. It is recommended that the initial operation is performed after 10 days. 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



## CONSUMPTION

The consumption of MKW 136 is approximately 4.0 - 5,0 kg/ m<sup>2</sup>. It depends on the slabs 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 can be used for the adhesion of marble slabs on heated floors.

## PACKING - STORAGE

The product is packed in valve-sacks of 25 Kg and is preserved stored on wooden pallets in dry environment

at temperatures greater than 0°C for 12 since its production date.

## NOT RECOMMENDED

*It is not recommended for usage in sub-layers made of:*

- plaster, without prior priming
- glass
- plastic
- iron
- wood

*Moreover, it is not recommended for:*

- heated floors
- pools
- floors submitted to distortions or vibration
- abnormal surfaces

## PRECAUTIONS

MKW 136 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 available 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*

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**EN 12004**

## TYPE C2T OF THE EUROPEAN STANDARD EN 12004

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			dry powder
Color			grey / white
Application thickness	(mm)		15
Resistance temperature	(°C)		-30 to +90
Maximum grain size	(mm)		0,8
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	≥1
Tensile adhesion strength after water immersion	(N/mm <sup>2</sup> )	EN 1348	≥1
Tensile adhesion strength after heat ageing	(N/mm <sup>2</sup> )	EN 1348	≥1
Tensile adhesion strength after freeze-thaw cycles	(N/mm <sup>2</sup> )	EN 1348	≥1
Slip	(mm)	EN 1308	≤0,5
Walking	(h)		24
Strength development time	(days)		14
Floor grouting	(h)		24
Consumption	(Kg/m <sup>2</sup> )		4 - 5
Water demand	(ml water /100g of dry mortar)		28 - 30

**Σημείωση:** 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.