

DESCRIPTION

VKW 137 is a ready cement-based mortar for bonding marbles on floors, stone, and for bonding - grouting of pavement plates. Suitable for interior and exterior use and for application with large thickness. It has very strong adhesion

to all substrates and high strength to cooling and moisture. It consists of special additives to avoid the deterioration of the marble colour and protects the surface from the staining.

FIELD OF APPLICATION

VKW 137 is suitable material for bonding marbles (on floors), stone and decorative bricks. Suitable for the bonding - grouting of pavements plates.

ADVANTAGES - CHARACTERISTICS

- Retains its plasticity more time than the traditional slurry.
- It has excellent resistance to time and in high Temperatures variations.
- Doesn't crack.
- Resistance to moisture.
- Stable quality material
- Easy transfer to building (floors).
- Fast preparation and application of materials in construction.
- Low cost due to a determined quantity.
- Can be applied and with plaster machine (new type).

SUBSTRATE PREPARATION

Before the application must be removed from the substrate powders and oils which can reduce adhesion. Large disparities and cracks must be repaired.

During the application and during the next 24 hours the ambient and substrate should be between +5 and +35 ° C

APPLICATION

In a clean container add 8.5-9.0 liters of clean water and gradually empty the content of a 25 Kg sack of product VKW 137, mixing continuously with an electric mixer in order to acquire uniform slurry 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 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. Within 30 min since adhesive layering, place the tiles at

their location, pressing 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 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 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

PACKAGING -STORAGE

In 25 Kg paper bags. In a dry environment at temperatures above 0 °C for 12 months from its production date.

CONSUMPTION

Consumption is 15 Kg / m² It depends on type of tiles, tools and application method.

CLEANING TOOLS AND MACHINES

Clean with plenty water immediately. After hardening only by mechanical means or harsh chemicals.

NOT RECOMMENDED

It is not recommended to use the material to environmental conditions freezing or heat.

PRECAUTIONS

Protect eyes and skin. In case of contact, wash with plenty of water. In case of contact with eyes, seek immediate medical advice. Read the information on the label and technical

product brochure before use. Wear suitable protective clothing and gloves. The MSDS of the product is available upon

ACCORDING TO EUROPEAN STANDARD EN 998-2 M5 – A1

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			Dry powder
Color			White
Thickness	(mm)		20
Specific weight	(gr/cm ³)		1,55±0,10
Density of mixture	(gr/cm ³)		1,60±0,10
Density of cured product	(gr/cm ³)		1,70±0,1
Curing time	(min)		5
Temperature resistance	(vC)		-30 to +90
Maximum grain	(mm)		2,5
Total Hours	(h)	EN 1015-9	2,5
Open time / time correction	(min)	EN 1015-9	≥10
Compressive Strength	(N/mm ²)	EN 1015-11	7,20±0,2
Flexural	N/mm ²)	EN 1015-11	2,70±0,10
Strength development time	(days)		28
consumption	(Kg/m ²)		15
Water mixing ratio	(ml Water/100g dry mortar)		15

Note: The measurements were taken in laboratory environment under a temperature of +230C, 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