

## DESCRIPTION

FMF 160 LUX is a colour, polymer modified, cement-based grout for tiles. It offers high mechanical strengths, characteristic chromatic homogeneity and stability. Gives smooth and shiny surface.

Ensures waterproofing, achieving excellent water repellent properties. FMF 160 LUX is a fast setting grout and it is classified as type CG2 according to EN 13888. Applied for joint thickness 1 - 8 mm. Available in 17 shades.

## FIELDS OF APPLICATION

Suitable for waterproofing joints in wall and floor, for exterior and interior use:

- ceramic tiles
- marbles

- granites

Ideal for fast use in walls and floors.

## ADVANTAGES

- High mechanical strengths.
- Has a characteristic chromatic homogeneity and stability.
- Ensures waterproofing, achieving excellent

water repellent properties.

- Prevents the growth of microorganisms and the formation of fungus and stains salts (efflorescence) on its surface.

## SUBSTRATE PREPARATION

The joints must be dry, free from dust, dirt, oil or fats, free from friable materials and loose particles. If there

are coats from colours must be cleaned. Any remains of adhesive tiles must be removed.

## APPLICATION

After mixing, the product is applied partially to clean joints (free from remains of adhesives or dust), using a rubber or metallic trowel, diagonal from directions of joints. In this way, remove the surplus of material. The minimum material that still in surface friction to become emulsion with a wet sponge and must be cleaned within 20 min. The use of lukewarm water makes easy the cleaning.

In high temperatures clean fast. The grout, after drying, is cleaned very hard, only with machine. For this reason the tools must be cleaned after using. After the complete drying, the material is not dangerous for health. In low temperatures, the product loses the workability and the reaction times are increased. In contrast, the high temperatures increase the workable time.

## COLORS

No	Color	No	Color	No	Color	No	Color
601	White	606	Perl grey	611	Anthracite	615	Wege
602	Cream	607	Light grey	612	Mocha	616	Cotto
603	Beige	609	Grey	613	Brown	619	Light blue
604	Perl beige	610	Dark grey	614	Chocolate	625	Black
605	Ivory						

## CONSUMPTION

The consumption depends on dimensions of tile.  
Approximately 0,2 – 2 Kg/m<sup>2</sup>.

## PACKAGING

In 5 kg plastic bags and 20 kg paper box. In a dry environment at temperatures above 0 °C for 12

months from its production date.

## TOOLS AND MACHINE CLEANING

The grout is difficult to clean after drying and only by mechanical means. For this reason the tools must be cleaned immediately after using.

## NOT RECOMMENDED

*It is not recommended the application of product:*

- In temperatures under of 10 °C and above of 40°C.
- When the moisture is above of 80%.
- During rain.
- When there are water leaks.
- When the tile adhesive has not hardened yet.
- In areas other than the interior of joints.

## PRECAUTION

Don't eat, drink, smoke when use the product. Application is allowed only in open and well ventilated area. Avoid breathing the product. Protect the eyes and skin. In case of contact wash with soap and water. In case of contact with eyes flush with water for several minutes. If there are contact lenses remove them if it is possible. Continue to wash. Search immediate medical attention

because it requires special treatment. Wear appropriate protective clothing and gloves. The infected clothing must leave the workplace. Wash thoroughly after application. Read the information on the label and in the product's Technical Brochure before use. The product's Safety Data Sheet is available to professionals upon request.

# FMF 160

## PORCELAIN GROUT

CG2

ACCORDING TO  
EN 13888

### TYPE CG2 OF THE EUROPEAN STANDARD EN 13888

TECHNICAL CHARACTERISTICS	UNITS	STADARD	VALUE
Resistance to abrasion	(mm <sup>3</sup> )	EN 12808 - 2	≤1000
Compressive strength after dry storage	(N/mm <sup>2</sup> )	EN 12808 - 3	≥45
Compressive strength after freeze/thaw cycles	(N/mm <sup>2</sup> )	EN 12808 - 3	≥15
Flexural strength after dry storage	(N/mm <sup>2</sup> )	EN 12808 - 3	≥8
Flexural strength after freeze/thaw cycles	(N/mm <sup>2</sup> )	EN 12808 - 3	≥3,5
Shrinkage	(mm/m)	EN 12808 - 4	≤2
Water absorption after 30min	(g)	EN 12808 - 5	≤2
Water absorption after 240min	(g)	EN 12808 - 5	≤5
Density of dry mortar	(Kg/l)		1,5±0,1
Density of hardened product	(Kg/l)	EN 1015 - 6	1,8±0,1
Density of fresh mortar	(Kg/l)	EN 1015 - 9	1,6±0,1
Working time	(h)	EN 1015 - 10	40
Water mixing ratio	(ml water /100g dry mortar)		30-31
Walking	(after h)		5

**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.