

## DEC 438 SILICONE

### SILICONE BASED RENDER - COLORED

#### DESCRIPTION

The **DEC 438 Silicone** is high quality, silicone based render in paste form. It has high hardness, excellent workability and permeability. It offers resistance to ultraviolet radiation (UV) and atmospheric conditions.

Due to its special characteristics it is recommended for the facade renovation of old buildings and the protection of cultural monuments. Available in Scratch and Rillen styles.

#### FIELDS OF APPLICATION

- Used as a final layer plaster on the external thermal insulation system ClimaPLUS.
- Applied over surfaces plastered with final layer plasters (FHP 221, FHP 225) or with one hand plasters (NHP 250, NHP 255) or painted with acrylic paints.
- Also applicable on concrete surfaces, plasterboard and cement board.
- Suitable for facade renovation of old buildings and the protection of cultural monuments.
- Ideal for application in highly corrosive environments (e.g., beach houses, etc.)

#### ADVANTAGES - SPECIFICATIONS

- Available in a wide range of colours.
- Does not need painting.
- Used either as an external top coating, or internally as a decorative coating.
- High elasticity thus:
  - a) Little tendency distortion from shrinkage during the curing time of the material.
  - b) Greater resistance to temperature changes over time.
- Provides extremely high water-repellency.
- Excellent transpiration ability of surfaces.
- Resistance to UV radiation.
- Greater resistance hue over time (due to low alkalinity).
- Easy to clean from dirt. Cleaned only with water

#### PREPARATION OF SUBSTRATE

The substrate should be clean from dust and oils which can reduce adhesion. Large unevenness and cracks in the substrate should be repaired.

Prior to application of **DEC 438 Silicone** the surfaces should be treated with the primer **GLX 494 Prim**.

#### APPLICATION

Mix **DEC 438 Silicone** with an electric stirrer. After sufficient stirring the plaster is applied over the primer with a stainless steel spatula.

Treat the plaster with a plastic spatula. After completing the application, the tools should be cleaned immediately with plenty of water.

#### CONSUMPTION

- **DEC 438 RILLEN** - 1,5 mm: 2,5 kg/m<sup>2</sup>  
- 2,0 mm: 3,0 kg/m<sup>2</sup>.
- **DEC 438 SCRATCH** - 1,0 mm: 2,3 kg/m<sup>2</sup>  
- 1,5 mm: 2,7 kg/m<sup>2</sup>  
- 2,0 mm: 3,2 kg/m<sup>2</sup>.

#### PACKAGING & DISPLAY

In 25 Kg plastic buckets. In a dry environment with a temperature greater than 0°C for 18 months from date of production.

## APPLICATION TEMPERATURE

Between +5 ° C to +25 ° C. Not recommended for application under direct sunlight, rain and strong winds. It is necessary to adequately protect the facade.

High humidity and low temperature can prolong time of plaster.

## 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 request to the professionals.

TEXNIKA CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			Pasty
Color			Colored
Destiny of mixture	(Kg/m <sup>3</sup> )	EN 1015-6	1840 ± 100
Adhesion to the substrate	(N/mm <sup>2</sup> )	EN 1015-12	0,90
Dry residue (105 <sup>0</sup> C)	(%)		84 ± 3
Permeability to 24h	(g/m <sup>2</sup> )		227,94

*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, absorbability of the substrate.*

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