



## arteMURI® REP 6



**Odorless transparent solvent-based siloxane water repellent.**

### **Product description and fields of application**

REP6 is a protective water-repellent product based on polysiloxanes in a non-filmogenic solution, resistant to alkalis and atmospheric agents.

Thanks to its characteristics, REP6 is particularly suitable for offering an excellent water-repellent treatment to reinforced concrete structures and wall surfaces of any kind, such as exposed concrete, concrete mixes, wood-cement or fiber-cement panels, stone, bricks, as long as they are absorbent, in a vertical structure and left “exposed”.

REP6 penetrates deeply into the support, creating a water-repellent barrier, but at the same time, since it is not film-forming, it does not occlude the micro-porosity of the support, leaving its permeability to water vapour unaltered. In this way, water does not penetrate inside the walls, thus avoiding both the progressive crumbling of the building material caused by the alternation of frost and thaw and the formation of unsightly whitish patches caused by water-soluble salts extracted from the wall.

Moreover, REP6 does not alter the original appearance of the facades as it does not cause variations in color or gloss.

Please note that REP6 is not suitable for application on plaster substrates.

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.

# REP 6

## Advantages

non filmogenic  
excellent water repellency  
unaltered breathability of the support  
leaves the appearance of the support unaltered  
excellent protection of the support over time

## Specifications

The wall surfaces, such as mortar plaster based on lime-hydraulic binder, premixed and traditional, finished civil and concrete conglomerates of various kinds, bricks and stones can be treated with the water-repellent and protective impregnating REP6 of Fornaci Calce Grigolin, a product based on polysiloxanes in non-filmogenic solution. The consumption of this product is on average equal to about 0.30 l/m<sup>2</sup> but strongly variable depending on the material to be treated.

## Consumption and packaging

REP 6 is supplied in 5 l and 25 l packages.

The consumption of this product is approximately 0.20 - 1.4 l/m<sup>2</sup> , depending on the material to be treated.

## Conservation Standards

Protect from frost. Store at temperatures between +5°C and +30°C in the original sealed containers. Under these conditions the shelf life of the stored product is at least one year.

## Substrate preparation

Carefully brush the surface to be finished to eliminate all traces of dirt, loose parts and any efflorescence. Apply REP 6 only when the surface is perfectly dry and clean.

## Product preparation

REP 6 is ready to use.

## Application

Apply several coats of REP 6 depending on the absorption of the substrate, always proceeding wet-on-wet and until the substrate is saturated in order to give the entire cycle a high level of water repellency and protection. REP 6 is preferably applied with a brush; when applying by spray, use a nozzle diameter of 1.2-1.4 mm and low pressure.

## Important Warnings

The product does not contain water, therefore it can be applied even at temperatures close to +0°C as long as the substrates are perfectly dry. Avoid application under direct sunlight. After application, external surfaces must be protected from rain until completely dry, which happens on average after 48 hours. The product develops its water-repellent action and its strong pearl effect after at least 24-48 hours from the application, depending on the climatic conditions. Carefully protect the parts that are not to be treated with REP6. Wash tools and equipment with synthetic thinner or turpentine.

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### Special Warnings

The pearling effect of REP 6 may diminish over time; this is, however, due to the dust and/or dirt that naturally settles on the surface.

Substrates treated with REP 6 cannot be overpainted with water-based paints or coatings in general for a long period of time due to their high water repellency.

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### Safety instructions

The product is flammable. Use the products according to current hygiene and safety regulations. After use, do not dispose of containers in the environment. Let residues dry well and treat them as special waste. For further information please refer to the safety data sheet.

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TECHNICAL DATA	PERFORMANCE
Binder type	low molecular weight polysiloxanes in solution
Appearance	colorless fluid
Specific weight (UNI EN ISO 2811-1) 25°C±2	800 ± 20 g/l
Water vapor permeability and classification (UNI EN ISO 7783-2)	Does not alter the vapour permeability of the substrate
Application	brush, roller, low pressure spray
Theoretical consumption	On cementitious substrate on average approx. 240 g/m <sup>2</sup> (0.30 l/m <sup>2</sup> )
Theoretical yield	See table 1
Overpainting	Treated substrates are difficult to overcoat with water-based paints in general.

SUPPORT	RETURN
Concrete	2,5 - 4 m <sup>2</sup> /l
Mineral plaster	1,3 - 2 m <sup>2</sup> /l
Natural Stones	0,7 - 5 m <sup>2</sup> /l
Bricks	1,3 - 2,5 m <sup>2</sup> /l

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