



arteMURI® DROP 6

Transparent siloxane water repellent impregnation

Product description and fields of use

DROP 6 is a water-repellent consolidating protective product based on polysiloxanes in a non-film-forming solution, resistant to alkalis and atmospheric agents.

Thanks to its characteristics it is particularly suitable for offering an excellent water-repellent treatment to reinforced concrete structures and wall surfaces of any type, such as exposed concrete, cement conglomerates, wood-cement panels or fibrocement, baked clay, stone, bricks, tiles, plaster, marble and granite provided they are absorbent, in vertical structure and left to "view".

DROP 6 penetrates deep into the support, consolidating and creating a water-repellent barrier, but at the same time, not being film genic, does not occlude the micro porosity of the support, thus leaving the permeability to water vapour unchanged. In this way, the water does not penetrate inside the walls and there is no progressive crumbling of the building material caused by the alternation of frost and thaw. Also, the formation of unsightly whitish patches caused by the water-soluble salts extracted from the wall no longer shows up. It is suitable for rainwater protection of historic buildings or of particular architectural value.

In addition, DROP 6 does not alter the original appearance of the facades as it does not cause variations in colour or brilliance.

DROP 6

Advantages

Non-film-forming
 Good water-repellent
 Unaltered substrates breathability
 No alteration of original surface look
 Good protection of the substrate
 Consolidating effect

Specifications

Wall surfaces, such as hydraulic cement-bonding mortar plasters, pre-mixed and traditional, finished in civil and concrete conglomerates of various kinds, Bricks and stones can be treated with the water-repellent and protective impregnation DROP 6 by Fornaci Calce Grigolin, a polysiloxane-based product in a non-film-forming solution. The average consumption of this product is about 0,30 l/m² but highly variable depending on the material to be treated.

Consumption and packaging

DROP 6 is supplied in 10 l tanks. The consumption of this product is about 0.20 - 1.4 l/m² variable depending on the material to be treated.

Storage

Store the product at a temperature between +5° and +35° C in the original sealed containers. Under these conditions the shelf life of the stored product shall be at least two years.

Surface preparation

Carefully brush the surface to remove any trace of dirt, dust, oils, greases, loose parts and any efflorescence. Apply DROP 6 only to a perfectly dry surface.

Product preparation

DROP 6 is ready to use and must not be diluted with water.

Application

Apply multiple coats of DROP 6 depending on the absorption of the support, always proceeding wet on wet and until rejection and saturation of the support in order to give a high water repellence and protection to the entire cycle. DROP 6 is preferably applied with a brush; by applying spray, use a nozzle diameter of 1.2-1.4 mm and low pressure. In the case of low absorbent supports avoid accumulations of product by intervening where it happens with a trowel in sponge homogenizing the product while it is still fresh. After applying DROP 6 it is no longer possible to paint.

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.

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Warnings

Do not apply DROP 6 with a temperature lower than +5 and higher than +35° C and with humidity higher than 85%. Avoid application under direct sun action. After application, the outer surfaces must be protected from rain until completely dried, which takes place on average after 24 hours. The product develops its water-repellent action and its strong pearling effect after at least 24 hours from the application, regardless of climatic conditions. Carefully protect parts that should not be treated with DROP 6. Wash tools and equipment with water.

DROP 6 is not suitable for waterproofing horizontal surfaces, water basins, plasters or synthetic paints.

CARRY OUT A PRELIMINARY TEST TO VERIFY NO APPARENT CHANGES ON ANY DROP-TREATED SURFACE.

Particular warnings

The pearling effect of the DROP 6 can decrease over time, but this is due to the dust and/or dirt that naturally settle on the surface.

The supports treated with DROP 6, because of the remarkable water repellence, cannot be over painted with water paints or water-based paints in general, for a long period of time.

Safety instructions

The product is very alkaline and irritates eyes and skin: handle the product with care using glasses and protective gloves. In case of contact with eyes or skin, wash immediately with plenty of running water and seek medical attention. Use the products according to current hygiene and safety standards. After use do not disperse containers in the environment. Please refer to the safety data sheet for more information.

DROP 6

TECHNICAL DATA	PERFORMANCES
Binder type	Polyxiloxane in water solution
Appearance	Fluid, colourless
Specific weight (UNI EN ISO 2811-1) 25°C±2	1020 ± 20 g/l
Water vapor permeability and classification (UNI EN ISO 7783-2)	Does not alter the surface permeability
Application	brush, spray with low pressure
Average consumption	on cementitious surface average about 300 gr/m ² (0,30 l/m ²)
Theoretical yield	See table 1
Over painting	In general, surfaces treated are difficult to paint with water based paints

table 1

SURFACE	YIELD
Concrete	2,5 - 4 m ² /l
Mineral plaster	1,3 - 2 m ² /l
Natural stones	0,7 - 5 m ² /l
Bricks	1,3 - 2,5 m ² /l

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