

# D-18



## Silicone-based water repellent agent for plaster & concrete



### ■ PROPERTIES

Water repelling impregnation liquid, with silicone-based resins and solvents. It has increased durability against alkaline environment and high penetrating capability (microtechnology). It does not create a surface film, or shine, remains clear, and does not yellow over time. It does not stick after drying, protects the surfaces from absorption of moisture and stains and does not favor the growth of mold. It does not affect the breathability and appearance of the structural elements to which it is applied and retains its properties for at least 10 years.

### ■ ADVANTAGE

It is a proven fact that the presence of moisture within construction elements, by more than 5%, reduces the thermal insulation capability of the building.

The combination of waterproofing and breathability, when D-18 is applied, prevents the unnecessary energy consumption for heating. This results in increased internal temperatures, reduced heating costs and prevention of water vapor condensation.

### ■ APPLICATIONS

DUROSTICK D-18 protects plasters and concrete from weathering and carbonation for at least 10 years. It replaces the priming and painting with emulsion or acrylic paints of unpainted surfaces, in coastal areas. This is particularly true when the whiteness of the plaster is adequate. The end result allows for the complete breathability of plaster, ensuring healthier living conditions. A necessary product for the protection of colored plasters on interior and exterior surfaces.

### ■ USE

#### 1. Surface preparation

Concrete and marble-based plaster surfaces must be clean, dry and free of loose sections.

At least 15 days, at a minimum, must have passed, after their construction before the application of the product.

Before applying D-18, it is recommended to protect all doors and windows. Any stains resulting from the application of the product, have to be removed immediately with white spirit or DUROSTICK THINNER 101.

**On new concrete surfaces**, make sure to remove any formwork oils. Continue by applying 2 coats, of 1mm



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thick each one, with the corrosion inhibitor RUST FREE POWDER of DUROSTICK over all exposed rebar. Complete the repair with D-55, DUROFIX or DS-245 POWER MORTAR RAPID of DUROSTICK.

**New marble based plaster surfaces**, sand with No60 sandpaper.

**For spackling**, apply STUCOFIX-P, POWDER COAT, GRANULAR ULTRA or GRANULAR of DUROSTICK or any combination of them, depending on the imperfections of the surface and how smooth the finish is required to be.

**Soiled surfaces from soot and exhaust gases**, are cleaned using biodegradable cleaner, BIOCLEAR (for nicotine and soot) of DUROSTICK.

**Marble based plaster surfaces with intense cracks** are sealed with the fast setting repair plaster, D-32. Concrete surfaces are sealed with the repair mortar D-55 of DUROSTICK.

**For filling gaps around frames**, use the paintable ACRYLIC CAULK, DUROFLEX-PU or DS POLYMER of DUROSTICK.

### 2. Application

Apply D-18 as is, using a brush, a roller or a garden sprayer in one coat, until saturation or in two successive coats.

The second layer is applied while the first is still fresh.

### ■ CLEANING

Clean all tools with THINNER 101 of DUROSTICK or white spirit, immediately after use.

### ■ CONSUMPTION

200-400ml/m<sup>2</sup> per coat, depending on the absorbency of the surface.

### ■ STORAGE

Store in closed containers away from any heat source, for 18 months from production date.

### ■ SAFETY DIRECTIONS

The product is classified as flammable and harmful. It is recommended to keep away from the reach of children and apply it in well ventilated areas. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

### ■ PACKAGING

Carton box with 15 pcs of 1lt each one

Carton box with 6 pcs of 4lt each one

15lt container

TECHNICAL SPECIFICATIONS	
■ Form - Color	Liquid - Transparent
■ Bulk density	0.77±0.04kg/lt
■ Resistance to ageing and alkalis	Excellent
■ Gloss	Matte
■ Application temperature	From +5°C to +35°C
■ Breathability of the substrate	At least 80% of the initial
■ Water absorption coefficient	$W \leq 0.50\text{kg/m}^2\sqrt{\text{h}}$
■ Life span	At least 10 years
■ Coat with other materials	After 6 months

### V.O.C. (Volatile Organic Compounds):

V.O.C. Limit of maximum V.O.C. content EU (Directive 2004/42/CE) for this product (category A/h: 'Binding primers' Type SB): 750gr/lt (2010). The ready to use product contains max 749gr/lt V.O.C.

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