

# BRILSAR 1000

## WATER REPELLENT FOR CONCRETE

### GENERAL:

**BRILSAR 1000** is a special formulation, self-emulsifying in water, based on silicone polymer chain having strong hydro-repellent characteristic. The product has been developed for the building industry as additive for mortar, water-based paints, plaster and coatings. The addition of **BRILSAR 1000** brings to mortar and coatings a very good air transpiration that adds to the remarkable water repellence achieved upon the substrate. Artefacts realized through the addition of **BRILSAR 1000** have: better resistance to atmospheric agents, total absence of mold growth, a dry surface even when exposed to hammering rain.

### CHEMICAL-PHYSICAL CHARACTERISTICS

Appearance		LIQUID
Odor		TYPICAL
Color		COLORLESS
Solubility		SELF-EMULSIFYING IN WATER
Density (@ 20°C)	g/cm <sup>3</sup>	1.02 – 1.04

### USAGE.

**BRILSAR 1000** is added at final stage of preparation, after that all other ingredients are in: sand, cement, grit, pigments, titanium powder, etc. A good hydro-repellent action is usually achieved by addition of 0,1 to 0,5% of **BRILSAR 1000** (in weight vs. the solids dry mass), but quantity from 0,5 up to 2.0% are giving the most and durable effect. Is advisable to get a thoroughly blend by using, is strongly recommended, a cement mixer in order to distribute evenly **BRILSAR 1000** throughout the admixture. Once **BRILSAR 1000** is completely added, is mandatory keep on mixing to guarantee the homogenous distribution of the product. The hydro-repellence, then, is appreciated once the artefact is fully finished and dry. Is important to note that, since the strong hydro-repellent action achieved with higher concentration, further surface treatments like painting or coating need to be tested under this light.

### STABILITY AND STORAGE:

Being self-emulsifying in water is indispensable protect **BRILSAR 1000** from moisture. The likely exposure of **BRILSAR 1000** to humidity can increase its viscosity and cause the colour turning from colourless to white.

### AVAILABLE PACKAGING:

25 – 50 -120 – 200 kg drums; tank (IBC) of 1000 kg.

The data presented in this technical data sheet are in accordance with the present state of our knowledge. No warranties express or implied are made. We recommend checking preventively with laboratory tests the suitability of the product for each specific processing.

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