

BRILSAR 400

WATER REPELLENT EMULSION (E1160)

GENERAL:

BRILSAR 400 is a special emulsion, 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 400** brings to mortar and coatings a very good air transpiration that adds to the remarkable water repellence achieved upon the substrate. Items realized through the addition of **BRILSAR 400** show: better resistance to atmospheric agents, total absence of mold growth, and a dry surface even when exposed to hammering rain.

CHEMICAL-PHYSICAL CHARACTERISTICS

| | | |
|---------------------|-------------------|----------------|
| Appearance | | LIQUID |
| Odor | | CHARACTERISTIC |
| Color | | WHITE |
| Solubility in water | | DILUTABLE |
| Density (@ 20°C) | g/cm ³ | 1.0 ± 0.010 |
| Solid content | % | 40 % ± 2.0 |
| Viscosity | mPs/s | 50 to 300 |

USAGE.

BRILSAR 400 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 0,2 to 1% of **BRILSAR 400** (in weight vs. the solids dry mass), but quantity from 1,0 up to 4.0% are giving the most and durable effect. **BRILSAR 400** can be diluted up to 1:2 by adding slowly the water to our product under mild stirring, keeping then well closed the diluted product during storage. The physical stability of the diluted product is around 1 to 3 months, but is fully reversible by simple stirring the fluid, while the efficiency is still advisable being 12 months.

For its addition is strongly recommended to use a concrete mixer in order to distribute evenly **BRILSAR 400** throughout the admixture. Once **BRILSAR 400** is fully 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 reactive is necessary protect **BRILSAR 400** from exposure to air.

If kept well closed in its original containers, and avoiding exposing it to both freeze and direct heat sources like sunlight, the shelf-life of **BRILSAR 400** is 12 months.

AVAILABLE PACKAGING:

50 – 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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