

## Omegalso No. 42

### Transparent Silicone-Based Water Repellent for Exterior Masonry & Concrete

#### DESCRIPTION

Omegalso No. 42 is a premium-quality, transparent, penetrating, solvent-based silicone water repellent formulated with high-performance silicone resins dissolved in white spirit. It is specifically designed to provide long-lasting hydrophobic protection for porous mineral building materials without forming a surface film.

The product penetrates deeply into the substrate and chemically bonds with the pore structure to create an invisible water-repellent barrier while allowing excellent water vapor permeability. It effectively protects masonry against rain penetration, dampness, efflorescence, freeze-thaw deterioration, atmospheric pollution, and chloride ingress without altering the natural appearance of the substrate.

#### TYPICAL APPLICATIONS

- Face brick
- Clay brick
- Cement renderings
- Concrete blocks
- Natural stone
- Artificial stone
- Precast concrete
- Exposed aggregate concrete
- Cement fiber boards
- Mineral-based façade systems

#### ADVANTAGES

- Ready for use
- Solvent-based (White Spirit)
- Deep penetrating action, does not form a surface film
- Invisible finish
- Excellent water repellency
- High resistance to driving rain
- UV resistant
- Breathable (high water vapor permeability)
- Reduces algae and fungal growth
- Excellent weather durability
- Long service life
- Maintains natural appearance

#### TECHNICAL DATA

|                                                         |                                                                     |              |
|---------------------------------------------------------|---------------------------------------------------------------------|--------------|
| Chemical Base                                           | Silicone Water Repellent                                            |              |
| Appearance                                              | Clear Transparent Liquid                                            |              |
| Solvent                                                 | White Spirit                                                        |              |
| Specific Gravity (Density)                              | 0.79% ±2 kg/l at 25°C.                                              |              |
| Active Content                                          | 7– 10% by weight                                                    |              |
| Flash Point                                             | Approx. 38°C. (Closed Cup)                                          |              |
| Penetration Depth                                       | 3 to 8 mm (depending on substrate porosity)                         |              |
| Water Absorption Evaluation of Clear Water Repellents   | > 92% reduction in water absorption compared to untreated controls  | ASTM D 6532  |
| Water Vapor Transmission (Breathability)                | > 95% retention of baseline water vapor permeability                | ASTM E 96    |
| Liquid Water Permeability (Capillary Absorption)        | w < 0.1 kg/(m <sup>2</sup> h0.5) (Class W3: Low water permeability) | EN 1062-3    |
| Specification for Water Repellents for Masonry Surfaces | Complies with Class A, B, and C requirements                        | BS 6477      |
| Packaging                                               | Pail                                                                | 17 liter     |
|                                                         | Gallon                                                              | 3.8 liter    |
|                                                         | Quart                                                               | 0.9 liter    |
| Dry Times<br>25°C and 50% Relative Humidity             | Touch                                                               | 2 - 4 hours  |
|                                                         | Recoat                                                              | 8 - 12 hours |
| Storage                                                 | 5°C – 35°C. Protect from freezing.                                  |              |
| Safety Information                                      | For additional information, see MSDS                                |              |

## SURFACE PREPARATION

Substrates must be dry, clean, and free of dust, dirt, oil, grease, efflorescence, existing coatings, and any loose particles. Cracks wider than 0.3 mm should be routed and sealed with a suitable filler prior to application. Ensure new concrete or cement renderings are cured for at least 28 days.

**Application Method:** Apply Omegalso No. 42 by low-pressure airless spray, brush, or roller. The material should be applied in a continuous "flood coat" working from the bottom up to ensure deep penetration. The material should run down the surface approximately 15 - 20 cm below the point of application.

**Number of Coats:** For highly porous substrates, a wet-on-wet secondary application is recommended. Do not allow the first coat to dry completely before applying the second coat.

## COVERAGE

Coverage Rate: Approx. 0.2 to 0.5 Liters/m<sup>2</sup> (2 to 5 m<sup>2</sup>/Liter) per coat. Actual consumption heavily depends on the porosity and roughness of the substrate. A test patch is recommended.

## STORAGE & SHELF LIFE

Store in a cool, dry, well-ventilated place away from direct sunlight and sources of ignition. Shelf life is 12 months in original, unopened packaging when stored between 5°C and 30°C.

## HEALTH AND SAFETY

Flammable liquid and vapor. Keep away from heat, sparks, open flames, and hot surfaces. Use only outdoors or in a well-ventilated area. Avoid breathing vapors or spray mist. Wear protective gloves, eye protection, and suitable respiratory equipment. In case of contact with eyes or skin, rinse immediately with plenty of water. Keep out of reach of children.