



Top Poly MS

Product Description

Single component, ready-to-use, solvent and isocyanate free, UV resistant, high technology coating and waterproofing material, produced with MS Polymer hybrid technology.

Product uses:

- Indoor and outdoor.
- Concrete, ceramic, tile, wood, glass, polycarbonate, GRP, metal, stone, marble, tile, brick, gas concrete, all kinds of vertical and horizontal surface.
- On old-based bitumen problematic insulation.
- Facades of the buildings.
- On asphalt and concrete floors.
- Wet areas such as bathrooms and kitchens.
- Places below ground level, such as foundations, garage and basements, against non-pressurized water and ground moisture.

Properties

- UV resistant.
- Environment friendly. Does not contain bitumen, isocyanate and solvent.
- Can be used on indoor and outdoor surfaces, horizontal and vertical surfaces.
- Easy to apply (brush, short hair roll, airless gun, notched trowel)
- High elasticity
- Water vapor permeability.
- Excellent resistance to weather conditions (temperature, water and freezing).
- Excellent adhesion.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	White , Grey , Other colors can be made also
<i>Chemical structure:</i>	One component
<i>Density:</i>	1.35 ±2 kg/liter
<i>Solid content</i>	45 % (by weight)
<i>Consumption:</i>	800 – 1000 g / m ² (two layers)
<i>Recommended DFT:</i>	3000 – 60000 micron.
<i>Permeability to water vapour (m):</i>	5 ≤ SD ≤ 50 CLASS II
<i>Water transmission rate (kg/ m2 . h0,5)</i>	< 0,1 CLASS W3
<i>Elongation:</i>	≥ % 300 (DIN 53504)
<i>Hardness (Shore A)</i>	30 ± 5 (ISO 868)
<i>Tensile Strength:</i>	1-1,5 MPa (DIN 53504)
<i>Surface dry:</i>	60 approx. min (s) 23°C/73.4°F 50% R.H.
<i>Recoating time:</i>	5-6 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F
<i>Service Temperature:</i>	-30°C / +80°C



Application Details

Application method: Brush / Roller / Airless Spray / metal trowel
Thinner: Do not thin the product

Surface Preparation:

Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition. Weak parts of concrete should be repaired, loose textures should be scrapped. Any cracks and fractures on the surface should be repaired with repair mortars carefully and the surface should be prepared. After the surface is ready, one coat of concentrated primer should be applied. In open environments such as terraces, corners must be chamfered edges must be done horizontally or vertically at a 45 ° angle and made ready for insulation.

PRECEDING COAT:

Concentrated Sealer
You can dilute the product with 100 % water and use it as primer.

Application:

The product is ready-to-use. Do not dilute or add any external substance. Mix before use. Apply the product on primed surface.

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 24 hours after application.
- All application tools and equipment should be cleaned with water immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.



Legal Notice:

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