



### DESCRIPTION

RAVAROOF Hybrid is a liquid-applied, water-based, elastomeric, cold applied and cold cured, hybrid waterproofing membrane. It consists of polyurethane resins, modified with waterproofing acrylic dispersions. When RAVAROOF Hybrid is cured, it forms a hydrophobic, waterproofing, seamless membrane, without joints or leak possibilities, used for long lasting waterproofing.

### USAGE

Suitable for waterproofing flat roofs, terraces, decks, gutters, etc. It is also recommended for waterproof and protection of drywalls, cement fiberboards, etc.

### ADVANTAGES

RAVAROOF Hybrid is a low cost – one component – ready to use product, easily applied. When cured, it forms a walked on, seamless membrane without joints or leak possibilities, with high permanent elasticity. It provides a crack bridging ability, as well as a water vapor permeability. It maintains its mechanical properties and elasticity at temperatures from -20oC to +80oC. RAVAROOF Hybrid is UV resistant, providing high reflectivity to solar radiation. If the membrane gets damaged, it can be easily locally repaired.

### APPLICATION

The surface needs to be sound, dry and clean, free of contamination that could harmfully affect the adhesion of the membrane. Remove all loose materials. Old, loose coatings, dirt, fats, oils,

organic substances and dust need to be removed by a grinding machine. New concrete structures need to dry for at least 28 days before applying the product. Maximum substrate's moisture content should not exceed 8%.

Clean cracks of dust, residue or other debris. Fill cracks with suitable, elastic polyurethane joint sealant. Prime absorbent surfaces, diluting RAVAROOF Hybrid with 5-15% clean water to function as a primer coat, or use a suitable epoxy, two components, water based primer. After curing of the primer, apply a first coat of RAVAROOF Hybrid and after 24-36 hours apply a second coat. If necessary, apply a third coat too.

Do not apply the RAVAROOF Hybrid in thicknesses greater than 0,5mm per layer. For best results, the temperature during application and curing of the product should be between 5 °C and 35 °C. Low temperatures slow down the curing process, while high temperatures accelerate it. High humidity can affect the final finish effect.

### CONSUMPTION

1,0-1,5kg per square meter surface, applied in two or three layers.

### PACKAGING

Available in 15 kg pails

### STORAGE

The product can be stored in a protected, dry area for at least 12 months from the production date, in unopened pails.

## TECHNICAL SPECIFICATIONS

<b>Consistency</b>	Hybrid System 50% Polyurethane – 50% Acrylic
<b>Elongation at Break (ASTM D 412)</b>	> 400%
<b>Tensile Strength (ASTM D 412)</b>	> 1,5N/mm <sup>2</sup>
<b>Water Vapor Permeability (ISO 9932:91)</b>	> 15gr/m <sup>2</sup> /d
<b>Resistance to Water Pressure (DIN EN 1928)</b>	No leakage
<b>Adhesion to concrete (ASTM D 903)</b>	> 1,5N/mm <sup>2</sup> (concrete surface failure)
<b>Hardness (Shore A Scale) (ASTM D 903)</b>	60
<b>Initial Curing time (Conditions: 20°C and 50%RH)</b>	24-36 hours
<b>Final Curing time (Conditions: 20°C and 50%RH)</b>	7 days