

## HOUSESHIELD PU Roof Coating Acrylic Hybrid CS 054

100% Waterproof hybrid elastomeric roof coating, based on new technology acrylic polyurethane resins. This certified cool paint with high solar reflectance it forms a highly elastic film, with high solar reflectance and superior thermorefective properties, contributing to the energy savings of the building. It's innovative technology offers fast surface hardness, without tackiness, low dirt pick up and withstanding ponding water. It provides a breathable waterproof membrane that is flexible enough to bridge minor cracks, which helps maintain its whiteness and thermorefective properties. Easy application and maintenance, friendly to user and the environment.



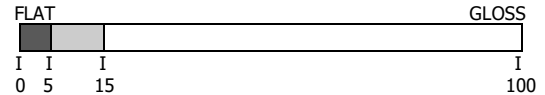
**Performance Features**

- Waterproof hybrid elastomeric roof coating, based on new technology acrylic polyurethane resins.
- Provides a high solar reflectance and superior thermorefective properties. Contributes to the energy savings of the building.
- Breathable waterproof membrane, flexible enough to bridge minor cracks.
- Keeps it's whiteness and thermorefective properties through time.

**Colors :** White.

**Toxicity:** Formulated without lead or mercury

**Gloss Level:** 5-15 at 60° viewing angle.



**Performance Guide:**

**Weather Resistance**

Excellent resistance to weather.

**Tensile Strength at 25°C**

1.5 N/mm<sup>2</sup> (ASTM D412)

**Elongation at 25° C**

500% (ASTM D412)

**Environmental Resistance**

Provides good resistance to concrete carbonation

**Heat Resistance**

Suitable resistance to usual exposed surface temperatures

**Water Resistance**

Excellent resistance to rain, condensation and ponded water.

**Abrasion Resistance**

Fair resistance to abrasion.

**Solvent Resistance**

Good resistance to white spirits. Sensitive to aromatic hydrocarbons and alcohols.

*Is certified cool paint with high solar reflectance 90,1%*

- Initial Total Solar Reflectance (SR) :89% • Solar Reflectance Visual (SRvis) : 96% • Solar Reflectance Near Infrared (SRNIR): 90% • Infrared Emittance (ε):84.7
- Solar Reflectance index: 112

*Certified by the CRES (Center for Renewable Energy Sources & Saving) Energy Systems Laboratory and the NCSR (National Center of Scientific Research) DEMOKRITOS - Laboratory of Solar & Energy Systems (Infrared Emittance (ε)) as a cool material for roofs.*



**VOC (Volatile Organic Compounds):** CS 054 HOUSESHIELD PU Roof Coating Acrylic Hybrid: belongs to the category A/c WB (exterior walls of mineral substrate) . EU Limit: 40g/l (2010). This product contains max 8g/l VOC.

Spreading Rate	Volume Solids	Wet Film Thickness	Dry Film Thickness
2 m <sup>2</sup> /L per coat	55%	500 micrometres	275 micrometres
Dry Time at 20°C	Flexibility	Thinning	For Application By
4 hours to touch 24 hours to recoat	Passes 6 mm mandrel	Do not thin	Brush, Roller , Spray

**Surface Preparation**

Surface to be painted must be free of all loose material such as flaking and peeling paint, dust, dirt, concrete salts and heavy chalk. The surface must be clean with all traces of grease, oil, and asphaltic coatings removed. Remove loose material by scraping and sanding. Sand glossy surfaces to a dull finish. Fill cracks with an appropriate putty. Apply one coat of CS 182 WALL PLUS Solventborne, Waterproofing Stabilising Primer and two coats of CS 054 HOUSESHIELD PU, Roof Coating, as outlined below.

**Concrete and Tile Roofs:** Prime with one coat of CS 182 WALL PLUS Solventborne, Waterproofing Stabilising Primer applied unthinned at a coverage rate of 4 -5 m<sup>2</sup> per litre. Apply one coat of CS 054 HOUSESHIELD PU, Roof Coating, let dry overnight and apply a second coat, each coat at 2 m<sup>2</sup> per litre.

**Previously Painted Surfaces (not asphaltic coatings):** Spot-prime any unpainted areas with CS 182 WALL PLUS Solventborne, Waterproofing Stabilising Primer, then apply an overall coat of Stabilising Primer according to label directions. Finish with one coat of CS 054 HOUSESHIELD PU, Roof Coating at 2 m<sup>2</sup> per litre.

**Application**

Stir paint thoroughly before use. Apply by roller, brush, or airless spray. Do not thin. Do not apply at temperatures below 10°C. Drying times are longer under cool/moist conditions. Owing to the necessary film thickness of this product, the coating remains sensitive to rain and moisture condensation longer than conventional emulsion coatings. Do not apply when rain or damp weather is anticipated during the drying time of the combined applications.

**Clean Up:**

Clean equipment in warm, soapy water promptly after painting.

**Precautions Health, Safety and Environmental Protection:**

If medical advice is needed, have product container or label at hand• Keep out of reach of children• Do not get in eyes, on skin, or on clothing• Avoid release to the environment•Dispose of contents and container to appropriate waste site or recycled in accordance with local and national regulation•Keep container tightly closed. • Contains 1,2-benzisothiazol-3(2H)-one and reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). • May produce an allergic reaction. • Call a POISON CENTER, doctor if you feel unwell. • Safety data sheet available on request.

TEL. POISON CENTER GR: 210 7793777

**Packaging and Storage**

**Sizes :** 1 litre, 3 litres, 10 litres

**Flash Point:** None

**Storage:** not hazardous, no special requirements

