POLYSINT SUN REFLECT is a liquid waterproofing water-based membrane, with fibres in white colour at high solar reflectance and thermal emissivity with solar reflectance index (SRI) 105 which offers to all the surfaces a protection against damages caused by the atmospheric agents.

Guaranteed Quality

Polyglass is a member of the Green Building Council
POLYSINT SUN REFLECT is a liquid waterproofing water-based membrane, with fibres in white colour produced with particular synthetic resins, at high solar reflectance (83%) and thermal emissivity (91%) with a solar reflectance index (SRI) 105 for bituminous polymer membranes and for concrete. The product forms an elastic film which follows the possible deformations and dilations of waterproofing materials where applied.

WHERE TO APPLY IT

POLYSINT SUN REFLECT is particularly apt to protect from U.V. rays and from heat the waterproofing achieved/realized with bituminous polymer membranes with talc, sand or self-protected with granules. The product is moreover applied on waterproofing layers achieved with liquid or solvent-based membranes such as Acriplast and Idroplast. It is also apt to waterproof concrete roofs. It is used for the protection of concrete surfaces with a 3% minimum slope in order to drain rain water.

POLYSINT SUN REFLECT, applied as finishing layer on waterproofing creates a barrier at high reflectance from UV rays, it reduces the temperature of the all stratigraphy by protecting the insulation, guaranteeing in that way a good energy save. It improves the efficiency and the yield of plants for production of electricity with solar panels.

POLYSINT SUN REFLECT reduces of about 50% the surface temperature of the roof if compared to a dark/black roof. It reduces and maintains constant the internal temperature of the building. Thanks to value SRI (solar reflectance index) of 105, using POLYSINT SUN REFLECT credits LEED are obtains to reduce the effect of heat islands.

HOW TO APPLY

POLYSINT SUN REFLECT is ready for use and can be sprayed or applied by means of roller or brush in 2 crossed coats. Surfaces must be dry, free of dust and dirt, perfectly adherent. For the application on polymer bituminous membranes with granules clean the surface with compressed air or with high pressure washing, in order to remove possible incoherent slates with the bituminous surface. Do not apply POLYSINT SUN REFLECT in case of imminent or expected rain. Do not apply below +5 °C or at temperature higher than +35 °C. Do not apply the product on new bituminous membranes, because the minimum natural transmigration of oils from the compound could not guarantee the perfect product adhesion. It is recommended to wait at least 6 months on membranes or bituminous products hot applied and 3 months on bituminous products cold applied; in every case wait till the complete oxidation of the surfaces to treat. POLYSINT SUN REFLECT is applied in 2 crossed coats; it is possible to dilute the first coat of 5% with water, till a maximum of 10% to obtain a better grip; second coat will be applied not diluted, after about 8-12 hours and in every case only after the complete drying of the first one. The consumption changes according to the nature and the porosity of the support. The average consumption on bituminous membranes with granules is of about 350-450 g/m² per coat and on talc or sand membranes it is of about 200-300 g/m² per coat; on concrete, the consumption in 2 coats is of about 1,3-1,4 kg/m².

The product is walkable for maintenance and for renovation.