

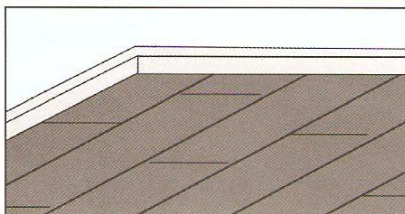


WHITE REFLEX

PROTECTIVE AND REFLECTIVE PAINT
FOR BITUMINOUS AND CONCRETE COVERING LAYERS

PROBLEM

PROTECTING BITUMINOUS COVERING LAYERS AGAINST UV RAYS AND IMPROVING THE THERMAL INSULATION OF THE BUILDINGS



More than 90% of roofs are dark in colour and the covering surface reaches temperatures of around 80°C under the heat of the sun, which also negatively affects the life of the water-proof coating.

The table that follows indicates the temperatures recorded in North Italy in the month of July 2007 under bituminous surfaces with different methods of protection:

SUPERFICIAL FINISH	MAX. TEMP.
Black bituminous membrane	78°C
Grey slate membrane	74°C
White slate membrane	70°C
Painted aluminium membrane	67°C
Self-protected membrane with copper foil	60°C
Self-protected membrane with aluminium foil	55°C
Membrane with WHITE REFLEX paint	42°C

SOLUTION

CHARACTERISTICS

A	H ₂ O
ONE-COMPONENT	WATER BASED

WHITE REFLEX is a single-component white paint with polymer base in water emulsion and special additives. Once dry it forms a flexible film, resistant to atmospheric agents, with high reflectivity and infrared emissivity.

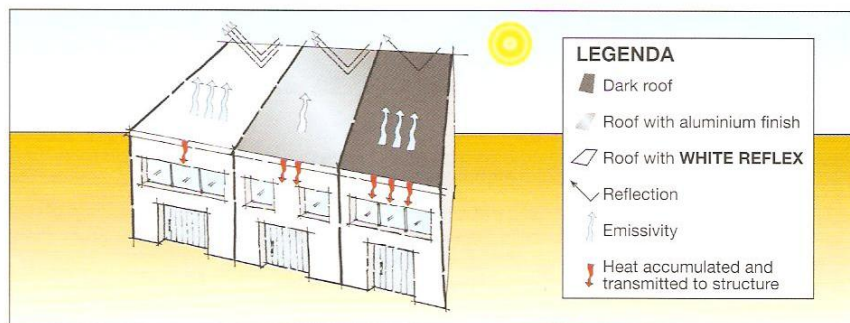
ADVANTAGES

- Protection of the bitumen-polymer membranes
- Reduction in superficial temperature.
- Improved thermal insulation and consequent energy savings.
- Ease-of-application.

FIELDS OF USE

WHITE REFLEX is used to protect bitumen-polymer membranes: the white finish and the special additives not only extend the life of the covering layers but also reduce the temperature, both outside and inside the building. The high reflectivity does indeed considerably reduce the heat absorbed from the rays of the sun compared to a dark surface; this consequently leads to a considerable reduction in the temperature and consistent savings in energy to condition the buildings. The high emissivity also favours the dissipation of the heat accumulated overnight.

WHITE REFLEX can be applied also on plaster and concrete surfaces.



METHOD OF USE

• SUBSTRATE PREPARATION

The surfaces must be clean, dry, without impurities or old paint (1).

• APPLICATION

Dilute with water (10-20%) and apply the first coat. Dilute the second coat with a maximum of 10% of water (2) and apply after at least 6 hours and always when the surface is completely dry. It is always recommendable to apply two coats, preferably with crosswise strokes.

The product can be applied with a paintbrush, roller, large brush or it can be sprayed on.

The surfaces must be pitched sufficiently to drain rainwater.

WHITE REFLEX is not suitable on flat surfaces with long-term water stagnation.

COVERAGE

The consumption per coat is approximately 400 g/m², based on the porosity of the surface on which it is applied.

WARNINGS

- Keep the containers sealed before use.
- Apply at temperatures between +5°C ÷ +35°C.
- Not frost-proof, keep at temperatures above +5 °C.

- Do not apply in very damp conditions or if there is the risk of rain while the film is still drying.
- **WHITE REFLEX** cannot be walked over; this is only possible for periodic maintenance purposes.

METHOD OF USE				
				+5°C
MIX MECHANICALLY	SPRAY APPLICATION	TO BE APPLIED BY BRUSH	TO BE APPLIED BY ROLLER	MINIMUM APPLICATION TEMPERATURE

