maris
SAINT-GOBAIN

COOL ROOF SOLUTIONS

For construction & renovation

SAINT-GOBAIN

WHAT IS A COOL ROOF AND HOW IT IS MEASURED

A cool roof is able to reflect more sunlight, absorbing less solar energy than a standard roof. This lowers the solar heat of the roof surface and decreases the indoor temperature of the building, therefore reducing energy costs and improving user comfort.
Moreover it extends the life of the buildings and infrastructures (including air-conditioning systems), helps to moderate the «urban heat island effect» and reduces greenhouse gas emissions.

Cool roofs' measurements are based on solar reflectance (fraction of solar energy reflected by the roof) and thermal emittance (capacity of the roof to release absorbed heat) values. The resulting combined metric, ranging from 0 (less efficient) to 130 (maximum efficiency), is called the Solar Reflectance Index (SRI).

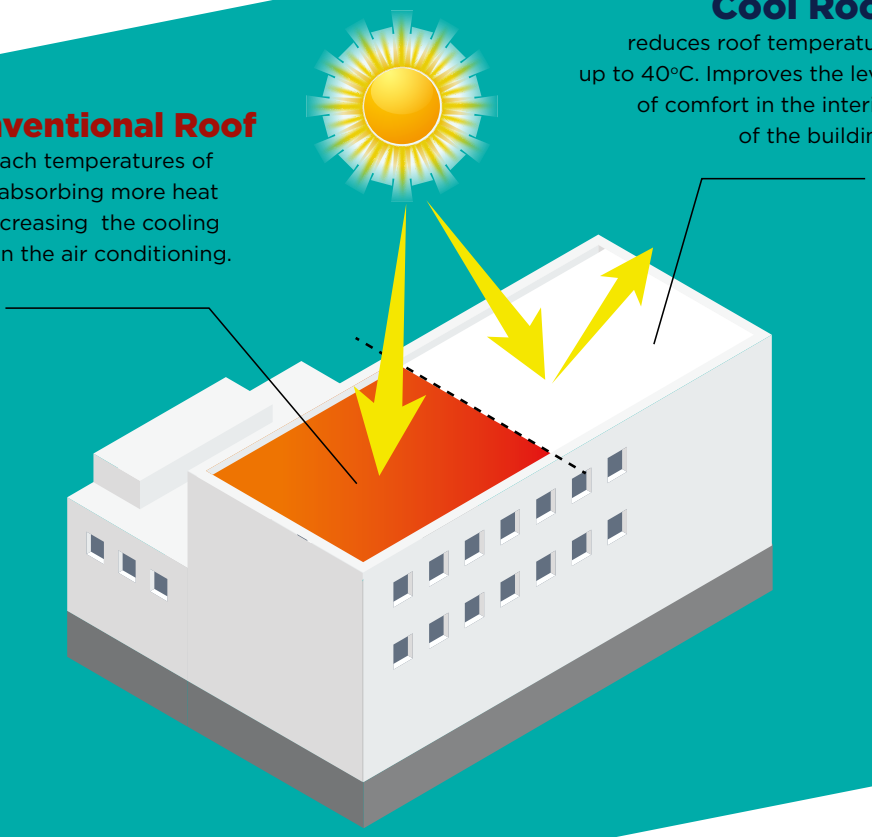
The solutions of Maris, with SRI from 104 to 113 offer an optimum result (ASTM standard EN 1980-1).

Cool Roof

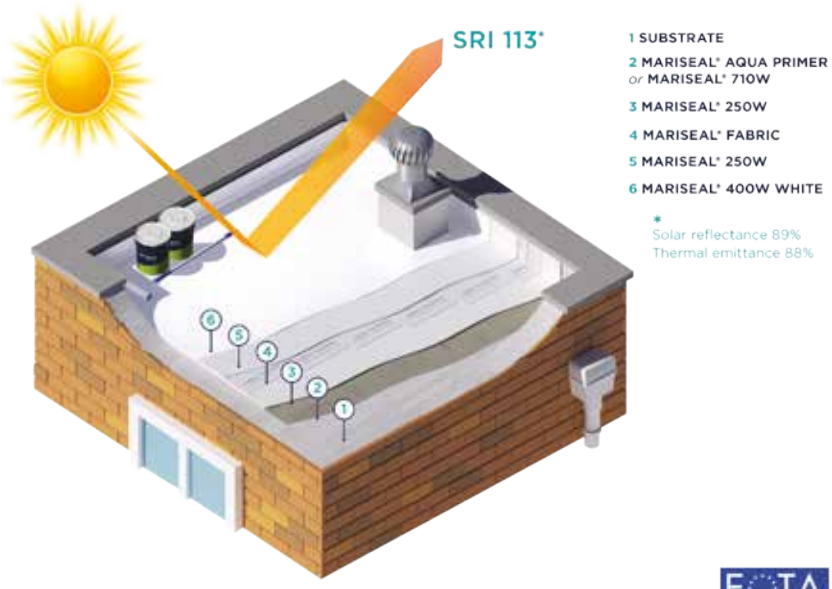
reduces roof temperature up to 40°C. Improves the level of comfort in the interior of the building.

Conventional Roof

can reach temperatures of 66°C, absorbing more heat and increasing the cooling load on the air conditioning.



Water-Based



Maris presents its cool roof waterproofing systems, designed to provide better indoor comfort.

- **SUSTAINABLE SOLUTION**
  Polyurethane water-based system with membrane **Mariseal® 250W** + top coat **Mariseal® 400W white (SRI:113)**

- **SHORTER APPLICATION TIME**
  Aliphatic polyurethane solvent-based system with **Mariseal® 460 white (SR:104)**

- **CONVENTIONAL APPLICATION**
  Polyurethane solvent-based system with membrane **Mariseal® 250** + top coat **Mariseal® 400 white (SR:107)**

EOTA

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MARIS POLYMERS S.M.S.A.

Industrial Area of Inofita
320 11 Inofita Greece
Tel: +30 22620 32918-19
www.marispolymers.com