



Laboratori Ecobios s.r.l.

MILK-VINEGAR WATER PAINT / PITTURE AL LATTE-ACETO



GINEVRA: 33° SALONE INTERNAZIONALE DELLE INVENZIONI

• **MEDAGLIA D'ORO** con felicitazioni della Giuria Internazionale

• **TROFEO** per la migliore invenzione italiana Camera di Commercio Svizzera per l'Italia

Via B. Cellini, 28 - 73033 CORSANO (Le) Italy - Tel./fax +39 0833 533080 - labo@ecobios-solaria.it - Part. IVA: 02562260758

www.ecobios-solaria.it

ECOBIOS COOL ROOFING TECHNOLOGY



WE GET YOUR HOUSE COLD... WHEN IT WARMS UP!

THERMO-REFRACTING MINERAL SHIELDS

Ecobios Leùc®

THERMO-REFRACTING MINERAL MEMBRANES

Ecobios CLIMA®

WATERPROOFING UNDER-LAYER SHIELDS

Ecobios Plast®

in order...

- **to save energy**
 - **to reduce CO₂ emissions in the environment**
 - **to protect your house from thermal shocks**
 - **to improve the living comfort**
 - **to save time... and money**

ALL AROUND YOUR HOUSE... ALSO ON THE ROOF!

Presentation

Laboratori Ecobios s.r.l. is an applied research company producing thermo-reflective eco-friendly multi mineral milk and vinegar paints, shields and membranes.

The co-operation with ENEA Research Centre of Casaccia and the University of Rome III has been focused on testing the coverings suitability to reflect solar radiation and consequently to cut down the cooling loads of buildings.

Why to use Cool Roofs products and Cool Roofing technologies?

It is widely spread in Europe as it is spreading over the rest of the world the practice of waterproofing roofs and terraces using tiles, ceramics, cement, shields and membranes aimed to protect houses and buildings from water infiltrations, thermal excursions and atmospheric agents.

In this regard, much as been done employing construction technologies and materials in order to make buildings fine, efficient and functional to residential and/or productive needs; attention has been paid above all on buildings reliability and lasting in time by abundantly employing iron and cement and supplying buildings of climatizing systems and whatever necessary for their optimal usability.

Nevertheless, we need to put a remedy to some incoming problems not shown in traditional eco-compatible constructions; such problems can be summarise as follows:

- a) The main problem is given from **heat accumulation** by opaque surfaces and buildings coverings either flat or sloped as they are subject to high thermal loads due to the intensity of solar radiation;
- b) Construction materials employed are characterised by **high solar absorption values** which cause an increase in the roof temperature of up to 30 – 40 °C compared to that of the air.