



Laboratori Ecobios s.r.l.

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Solar Thermo-Reflective Membrane Ecobios CLIMA®



Technical Data Sheet

Ecobios CLIMA® is a solar thermo-reflective membrane; **mono layer**, soft and flexible, whose facade of waterproofing substrate is constituted by a film of glass veil from 45g /m² interposed between an elastomeric product and a styrene-acrylic product; the facade of thermo-reflective finish is constituted by a **mono-cycle** film of a mineral and milk-vinegar based emulsion and completed with a waterproof styrene acrylic film.

Field of Application

Solar thermo-reflective waterproofing: roofs, flat roofs, roofing of industrial buildings; anti-crack restoring of houses external walls.

Application Method

First: apply advance on the roof surface a coat of primer Ecobios GUM diluted, if necessary, with water to the extent max. 10%.

Second: apply, without water, a second coat of primer Ecobios GUM; the total amount charged shall not be less than **250g /m²**.

Third: apply a bi-adhesive strip on both sides to the extent of 2cm on the previous membrane and of 8cm on the roof surface below the second membrane; in this way the successive membrane is applied on a bi-adhesive strip of 10cm.

The application of the membrane is carried out after the same is removed the protective plastic film; the gluing is completed after having calibrated the successive membrane on the 10cm of bi-adhesive strip that is finally deprived of his protective film for gluing the waterproofed façade of the second membrane.



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Solar Thermo-Reflective Shield Ecobios Leuc®



Technical Data Sheet.

Ecobios Leuc® is a solar thermo-reflective shield **double layer** whose facade of waterproofing substrate is obtained by the coupling of a film of glass fiber with a polyester film drowned in an elastomeric emulsion; the facade of thermo-reflective finish is made by a **double emulsion cycle** mineral milk-vinegar interspersed with an elastomeric film, and completed with a waterproof film styrene-acrylic.

Field of Application

Waterproofing thermo-reflective: roofs, terraces, flat roofs and roofing of industrial buildings.

Application Method

First: apply advance on the roof surface a coat of primer Ecobios GUM diluted, if necessary, with water to the extent max. 10%.

Second: apply, without water, a second coat of primer Ecobios GUM; the total amount charged shall not be less than **250g /m²**.

Third: apply a bi-adhesive strip on both sides to the extent of 2cm on the previous shield and of 8cm on the roof surface below the second shield; in this way the successive shield is applied on a bi-adhesive strip of 10cm.

The application of the shield is carried out after the same is removed the protective plastic film; the gluing is completed after having calibrated the successive shield on the 10cm of bi-adhesive strip that is finally deprived of his protective film for gluing the waterproofed façade of the second shield.



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Elastomeric Waterproofing Under Shield Ecobios Plast®

Membrana Ecobios PLAST®
su cemento-amianto



Technical Data Sheet

The under shield Ecobios Plast® is constituted by a film of glass veil from 45g/m² prepared in a sandwiched in two emulsions: elastomeric and styrene – acrylic emulsions. Its function is to support, if necessary, the shield Ecobios Leuc® and / or the membranes Ecobios CLIMA®.

Field of Application

- Waterproofing elastomeric: roofs, flat roofs, terraces;
- Restoration micro-crack of the plaster of the walls and thermal bridges: to be used under the cycles performed with mineral and milk-vinegar coating emulsions;
- Encapsulation of asbestos-cement roofing: in order to repair and restore micro crack of roofing and to support the encapsulation cycle performed with Solaria Universal ES.

Application Method

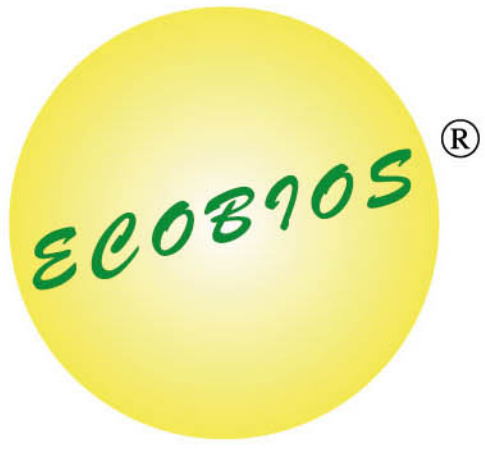
First: apply advance on the surface of the roof or wall a coat of primer Ecobios GUM diluted, if necessary, with water to the extent max. 10%.

Second: remove the protective plastic film and apply the under shield Ecobios Plast®, possibly supported by a bi-adhesive strip, before running the applications of mineral thermo-reflective coating.

Maintenance

Ecobios Plast® doesn't need maintenance.

Its quality performance can be enhanced if applied in multiple layers in cases of: elimination of standing water; restoration of cracks coats finish; repair of metal containers, wood surfaces, plastic and asbestos cement.



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Technical Data Maintenance

Solar Thermo-Reflective Shield
Ecobios Leùc®

Solar Thermo-Reflective Membrane
Ecobios CLIMA®

Ordinary Maintenance

Routine maintenance shield Ecobios Leùc® and Membrane Ecobios CLIMA® must be done with the product EcobioSun applied by roller / spray in order to restore, if necessary, their damaged film surfaces. Because of roof surfaces are more stressed by temperature changes we recommend a maintenance every three years.

Extraordinary Maintenance

If the maintenance of the shield Ecobios Leùc® and Membrane Ecobios CLIMA® is necessary to repair perforations, detachments and / or degradation the maintenance consists in replacing the shield / membrane films with "new pieces of shield or membrane" finished with the application of the product EcobioSun.