

ELASTOFLUID BIANCO REFLEX

High SRI white paint

Description: Solvent-based protective and decorative paint formulated with selected synthetic resins and special additives that give high solar reflectance properties.

Advantages:

- Ensures effective protection against UV rays and weathering.
- Has a greater resistance to standing water than common water emulsion paints.
- Ensures excellent thermal insulation by creating a highly reflective barrier of the sun's rays, improving the thermal well-being of inhabited premises.
- Reduces the energy consumption of air conditioning in summer.
- Improves the yield and efficiency of photovoltaic panels.
- Extends the life of coats.
- Perfect adhesion.
- Frost resistant.
- Resistant to low temperatures: can also be used in winter.
- High resistance on surfaces in industrial areas or near the sea.
- Applied on slated membranes, it protects and fixes the grit on the surface, preventing its detachment and increasing its life.

Applications: Suitable to coat:

- smooth slated polymer-bitumen membranes.
- Bituminous liquid waterproofing membranes (water or solvent based) also affected by the occasional presence of standing water.
- concrete and fibre cement.
- wood and metal surfaces, plaster, pantiles and roof tiles.

Surface preparation:

- Before applying, remove detached parts, loose debris or non-adherent parts, coatings, rust, powder, or release oils; carefully clean the surfaces, which must be sound and dry.
- Check that the surface to be waterproofed ensures proper run-off of rainwater.
- Apply at temperatures between +0 °C and +35 °C; avoid extremely hot or cold conditions during application and drying of the film.

Application:

- The product is ready to use.
- Mix before use.
- Apply Elastofluid Bianco Reflex, after mixing, by brush, broom, roller or airless spray. It is possible to dilute the product up to a maximum of 10% using nitro or synthetic thinners.
- Apply in 2 cross coats. The second coat should be applied when the first is perfectly dry.
- Polymer-bitumen membranes with non-woven synthetic fabric finish on the surface allow for immediate painting, but more than two coats are required in order to obtain a sufficient covering effect.
- Use common synthetic thinners to clean tools.

Consumption: Total consumption of the product varies according to the nature and porosity of the surface to be treated, and is on average:

- on slated polymer-bitumen membranes: 500-700 g/m².
- on talc polymer-bitumen membranes: 250-350 g/m².
- on sheet metal: 200-300 kg/m².

Warnings:

- Do not use indoors or in non-ventilated premises.

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- Do not apply Elastofluid Bianco Reflex on polymer-bitumen membranes based on styrene butadiene (SBS).
- We recommend not to exceed the above-mentioned consumption, as this could lead to an imperfect drying of the film in depth, due to the persistence, under the surface layer, of fractions of unevaporated solvent. The total waterproofness of the film dried on the surface prevents their normal evaporation.
- Do not apply to wet or damp surfaces.
- Do not apply on very hot surfaces as the process of formation of the paint film would be excessively accelerated with negative consequences on the adhesion of the product to the surface.
- We advise against applying the product on newly applied bituminous surfaces, which could still release hydrocarbons and cause adhesion problems of the film on the sheath. We recommend applying on bituminous surfaces only 6 months after laying.
- In any case, we recommend carrying out a preliminary application test to check whether the product is compatible with the surface.
- If the surface is dirty, clean it by brushing and washing with a pressure washer.
- If you need to lay immediately on a new coat, the surface of the last layer must be slated or with a non-woven synthetic material surface finish.
- If the roof has insulating packages in the stratigraphy (situation not recommended, without prior check of the dimensional stability of the waterproofing layer to be protected with paint), a shorter restore is required.
- The product applied to polymer-bitumen membranes may form surface micro-cracks over time that will not, however, compromise the waterproofing.
- It can be stepped on in case of occasional maintenance.
- Do not use for surfaces or containers of edible liquids, for drinking water or that may come into contact with solvents or mineral oils.
- Do not paint tanks, basements or channels subject to strong water backpressure or pressurised water.
- To maintain high reflectivity and therefore efficiency, periodic maintenance of the surfaces is recommended, with visual inspection and removal of dirt by hydro-washing.
- Flammable product.
- Do not expose to temperatures over 40 °C, heat sources, open flames or other sources of ignition.
- Comply with the information on the safety data sheet.
- Consult the information at the bottom of this document.

Packaging: 1, 5, 10, and 20 kg metal pails.

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Technical data:

| MAIN CHARACTERISTICS | | |
|-------------------------------------------------------------|---------------|------------------|
| Appearance | | Dense liquid |
| Colour | | White |
| Shelf life in closed original packaging | | 24 months |
| Closed-cup flash point | ASTM D3828-87 | > 23 °C |
| Solid content (<i>m/m at 130 °C</i>) | EN ISO 3251 | (60-68)% |
| Brookfield viscosity (<i>at 20 °C, spindle 2; 10 rpm</i>) | EN ISO 3219 | (2100±400)cP |
| Density (<i>at 20 °C</i>) | EN ISO 2811-1 | (1.23-1.31) kg/L |
| Drying time | | 30 - 60 minutes* |

| PERFORMANCE PROPERTIES - EN 1504-2 SURFACE PROTECTION SYSTEMS FOR CONCRETE (C COATINGS – PRINCIPLES: PI-MC-IR) | | |
|----------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------|
| Permeability to CO ₂ | EN 1062-6 | S _D > 50 m |
| Water vapour permeability | EN ISO 7783 | Class I (S _D < 5 m) |
| Liquid water permeability | EN 1062-3 | w < 0.1 kg/m ² ·h ^{0.5} |
| Tensile bond strength | EN 1542 | ≥ 1 N/mm ² |

* Measurements have been recorded at a temperature of 23 °C and with 50% moisture. Declared data may vary depending on the thickness of the applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, and absorbency of surfaces.



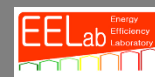
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Specifications for COOL ROOFS

Thanks to its high SRI value, Elastofluid Bianco Reflex allows obtaining LEED credits for the reduction of the heat island effect and ensures an increase in the energy efficiency of the photovoltaic panels.

| SOLAR REFLECTANCE, THERMAL EMITTANCE, SOLAR REFLECTANCE INDEX | | | |
|---------------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------|
| Solar Reflectance Index (SRI) ASTM E1980-11 | Thermal emittance (E) ASTM C1371-15 | Solar reflectance (R) ASTM E903-12 | Surface temperature (T _s) |
| 103 | 90 | 82 | 43.5 °C |



| LEED CERTIFICATION REQUIREMENTS v 4.1 BD+C | | | | | | | | | | |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|-----|-----------------|------|----|----------------------|------|----|
| SS HEAT ISLAND EFFECT CREDIT: ROOFS | <p>Use roofing materials that have a Solar Reflectance Index (SRI) greater than or equal to the value shown in the table below for a minimum of 75% of the roof area.</p> <table border="1"> <thead> <tr> <th>Type of roof</th> <th>Gradient</th> <th>SRI</th> </tr> </thead> <tbody> <tr> <td>Low slope roofs</td> <td>≤15%</td> <td>82</td> </tr> <tr> <td>Highly sloping roofs</td> <td>>15%</td> <td>39</td> </tr> </tbody> </table> <p>Membranes painted with Elastofluid Bianco Reflex have an SRI > 82.</p> | Type of roof | Gradient | SRI | Low slope roofs | ≤15% | 82 | Highly sloping roofs | >15% | 39 |
| Type of roof | Gradient | SRI | | | | | | | | |
| Low slope roofs | ≤15% | 82 | | | | | | | | |
| Highly sloping roofs | >15% | 39 | | | | | | | | |



The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.

Data sheet no.: 20004317-REV01 dated 04.04.2023



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