

SBC

PRODUCT DESCRIPTION

SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT

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1. PRODUCT OVERVIEW

SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT is a professional-grade, two-component, water-based polyurethane (PUR) coating system developed primarily for the long-term protection and decorative finishing of flexible and semi-rigid substrates.

The system consists of a water-dilutable polyurethane dispersion (Component A) and an aliphatic polyisocyanate curing agent (Component B). After mixing, the coating cures through a chemical cross-linking reaction, forming a uniform, flexible and mechanically resistant protective coating.

The product is available in formulations containing special infrared (IR) reflective or IR transmissive pigments which, depending on the selected colour, contribute to reducing the thermal effects of solar radiation on coated surfaces.

2. INTENDED USE

The product is designed for applications where the coating system is required to provide:

- durable mechanical resistance;
 - adequate flexibility;
 - long-term outdoor weather resistance;
 - resistance to ultraviolet (UV) radiation;
 - reliable adhesion to compatible substrates;
 - decorative appearance combined with long-term surface protection.
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3. TYPICAL APPLICATIONS

SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT may be applied to a wide range of flexible and rigid substrates, provided that proper surface preparation has been carried out. The coating system is intended for applications requiring long-term weather resistance, UV resistance and durable mechanical performance.

The product is particularly suitable for:

- industrial tarpaulins;
- agricultural tarpaulins;
- PVC tarpaulins;
- rubber surfaces;
- inflatable rubber boats;
- aluminium structures;
- galvanized steel surfaces;
- wooden structures;
- other properly prepared compatible substrates.

For non-standard substrates, preliminary compatibility testing or a trial application is recommended prior to full-scale application.

4. KEY PRODUCT FEATURES

According to the available technical documentation, the product offers the following characteristics:

- two-component polyurethane coating system;
- water-based technology;
- chemically cross-linking coating system;
- advanced IR-reflective or IR-transmissive pigment technology;
- high UV resistance;
- excellent weather resistance;
- high mechanical resistance;
- excellent flexibility;
- broad compatibility with a wide range of properly prepared substrates.

5. PRODUCT RANGE

The product family is available in the following standard versions:

- White IR UV
- Red IR TR UV
- Yellow IR TR UV
- Dark Blue IR TR UV
- Dark Green IR TR UV

- Orange IR TR UV
- Light Blue IR TR UV
- Light Green IR TR UV

In addition to the standard colours, custom colours can be manufactured according to RAL, NCS or Pantone colour systems upon request.

6. APPLICATION BENEFITS

The use of **SOLAR GUARD PRO AQUA TRAPPAULIN AND RUBBER PAINT** provides the following benefits:

- long-term surface protection;
 - uniform and aesthetically pleasing finish;
 - excellent flexibility;
 - outstanding adhesion to properly prepared substrates;
 - high resistance to ultraviolet radiation and weathering;
 - environmentally friendly water-based technology;
 - reduced maintenance requirements;
 - professional-grade performance for industrial applications.
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7. COMPATIBLE SUBSTRATES

Following appropriate surface preparation, the product may be applied to:

- PVC tarpaulins;
- rubber surfaces;
- aluminium;
- galvanized steel;
- wood;
- other compatible industrial substrates.

For substrates not listed above, preliminary adhesion testing or technical consultation is recommended prior to application.

8. GENERAL INFORMATION

The product shall be mixed and applied strictly in accordance with the manufacturer's specified mixing ratio and application procedure.

Surface preparation, environmental conditions and application technique significantly influence the quality, durability and long-term performance of the cured coating.

The long-term performance of the coating system is significantly influenced by:

- substrate preparation;
- application conditions;
- applied film thickness;
- correct mixing ratio;
- curing conditions.

Detailed technical characteristics are provided in the **Technical Data Sheet (TDS)**, while application procedures and processing requirements are described in the **Application Guide** and **Application Details** documents.