

SBC

APPLICATION GUIDE

SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT

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1. PURPOSE

This Application Guide defines the general requirements for the safe, correct and consistent application of **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT**.

The purpose of this document is to provide a standardized application procedure for contractors, applicators, inspectors and end users.

2. SCOPE

This guide applies to all industrial, commercial and specialist applications where **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT** is used as a protective coating system.

3. RESPONSIBILITIES

The applicator is responsible for ensuring that:

- the product is used in accordance with the manufacturer's instructions;
- appropriate personal protective equipment (PPE) is worn;
- the substrate is suitable for coating;
- the specified mixing and application procedures are followed;
- the working environment complies with the required conditions.

The applicator shall also ensure:

- use of the latest approved technical documentation;
 - proper storage of all coating components;
 - recording of product batch numbers (LOT);
 - full traceability of the coating application.
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4. REQUIRED EQUIPMENT

Depending on the selected application method, the following equipment may be used:

- brush;
 - roller;
 - airless spray equipment;
 - conventional spray equipment (where applicable);
 - mechanical mixer;
 - measuring containers;
 - low-speed electric mixer;
 - wet film thickness gauge;
 - dry film thickness gauge (where applicable);
 - thermometer;
 - hygrometer;
 - surface temperature thermometer
 - clean mixing container;
 - personal protective equipment.
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5. SURFACE PREPARATION

The coating shall only be applied to properly prepared substrates.

The surface shall be:

- clean;
- dry;
- free from dust;
- free from grease;
- free from oil;
- free from loose or deteriorated coatings;
- mechanically sound.

Where necessary, the substrate shall be prepared by suitable mechanical or chemical cleaning methods.

6. MATERIAL PREPARATION

Before application:

- inspect the packaging for damage;

- verify the product shelf life;
- thoroughly stir Component A;
- mix Components A and B in the manufacturer's specified mixing ratio;
- continue mixing until a homogeneous material is obtained.

The mixed material shall be used within the specified pot life.

7. MIXING

The coating components shall only be mixed in the manufacturer's specified ratio.

Mixing shall ensure:

- homogeneous material;
- complete incorporation of both components;
- use of clean mixing equipment;
- contamination-free working conditions.

Improper mixing may significantly reduce the mechanical performance and durability of the coating.

8. APPLICATION

The coating may be applied using:

- brush;
- roller;
- suitable spray equipment.

During application, ensure:

- uniform film formation;
- continuous application;
- proper overlap between passes;
- avoidance of missed areas.

Subsequent coats shall only be applied after the previous coat has reached the appropriate drying or curing stage.

During application, avoid:

- excessive film build;
- sagging;
- uneven coverage;

- contamination of the wet coating.
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9. WORKING ENVIRONMENT

During application, the following conditions shall be ensured:

- adequate ventilation;
- clean working environment;
- protection from rain and moisture during outdoor applications;
- compliance with the manufacturer's specified application conditions.

Application is not recommended:

- during rainfall;
 - in fog;
 - when condensation is present;
 - during strong winds when spray application is used outdoors.
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10. CLEANING

Upon completion of the work:

- all tools and equipment shall be cleaned immediately;
 - unused material shall be handled in accordance with applicable regulations;
 - waste materials shall be disposed of in accordance with local environmental legislation.
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11. HEALTH AND SAFETY

During application, the following shall be observed:

- the requirements of the Safety Data Sheet (SDS);
 - applicable occupational health and safety regulations;
 - relevant legislation governing the handling of chemical products;
 - the mandatory use of appropriate personal protective equipment.
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12. QUALITY CONTROL

During application, the following shall be verified:

- adequacy of surface preparation;
- correct mixing procedure;
- uniformity of application;

- continuity of the coating film;
- visual quality of the finished surface.

The following information should be recorded during application:

- batch number;
- mixing ratio;
- application date;
- applicator;
- substrate type;
- environmental conditions.

13. RELATED DOCUMENTS

This document shall be used together with the following documents:

- Technical Data Sheet (TDS)
- System Specification
- Product Description
- Application Details
- Quality Control Plan
- Inspection & Acceptance Checklist
- Repair Procedure
- Maintenance Guide