

SBC

APPLICATION DETAILS

SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT

Document ID: SBC-AD-SGP-TRP-EN-001

Version: 2.0

Language: English

Document Status: Controlled Document

1. PURPOSE

This document defines the detailed technical requirements for the application of the **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT** coating system.

Its purpose is to establish a consistent application procedure for contractors, inspectors, manufacturing partners and end users, thereby ensuring that the coating system achieves its intended technical performance, durability and aesthetic appearance.

Compliance with the requirements specified in this document contributes to proper adhesion, long-term service life and reliable in-service performance of the coating system.

2. SCOPE

This document applies to all applications where **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT** is applied to new or existing substrates.

Typical applications include:

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

For substrates not specifically listed, preliminary compatibility testing or a trial application is recommended.

3. REFERENCED DOCUMENTS

The following documents shall be used together with this document:

- Technical Data Sheet (TDS)
 - Safety Data Sheet (SDS)
 - Product Description
 - System Specification
 - Application Guide
 - Quality Control Plan
 - Repair Procedure
 - Maintenance Guide
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4. SUBSTRATE REQUIREMENTS

The coating shall only be applied to substrates that are suitable for coating.

Prior to application, the substrate shall be:

- mechanically sound;
- clean;
- dry;
- free from dust;
- free from grease and oil;
- free from loose coatings;
- free from corrosion or other forms of deterioration.

Any defects in the substrate shall be repaired before application begins.

5. SURFACE PREPARATION

Proper surface preparation is essential to ensure optimum adhesion and long-term coating performance.

The preparation method shall be selected according to the substrate type and condition.

Where required, preparation may include:

- mechanical cleaning;
- abrasion or sanding;
- dust removal;

- degreasing;
- cleaning using suitable cleaning agents;
- removal of damaged or deteriorated existing coatings.

Following preparation, the surface shall be visually inspected before coating application.

6. EDGES, CORNERS AND CRITICAL AREAS

Edges, corners, welds, joints and other difficult-to-coat areas require particular attention, as they are often the first locations where coating defects may occur.

Application in these areas shall be carried out with increased care.

Where necessary, the following practices are recommended:

- stripe coating by brush;
- multiple application passes;
- enhanced visual inspection.

Special attention shall be given to maintaining adequate coating thickness on all edges and complex geometries.

7. MATERIAL PREPARATION

Before use, the following shall be verified:

- packaging integrity;
- batch number;
- shelf life;
- storage conditions.

Component A shall be thoroughly stirred before mixing.

Components A and B shall then be mixed strictly in the manufacturer's specified ratio.

Mixing shall continue until a completely homogeneous material has been obtained.

8. APPLICATION PROCEDURE

The application method shall be selected according to the substrate type, geometry, dimensions and required finish.

The coating may be applied using:

- brush;
- roller;

- airless spray equipment;
- conventional industrial spray equipment where appropriate.

Application shall ensure uniform material distribution and continuous coating operations.

During application, the following shall be avoided:

- sagging;
- excessive film thickness;
- missed areas;
- uneven coverage;
- contamination of the wet coating.

Continuous visual inspection during application is recommended.

9. FILM BUILD

The coating shall be applied in uniform coats.

Each coat shall provide:

- continuous film formation;
- homogeneous appearance;
- adequate hiding power;
- freedom from visible defects.

Where required, multiple coats may be applied.

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

The coating surface shall remain clean between successive coats.

10. INTERCOAT INSPECTION

Each completed coat shall be inspected for:

- coating continuity;
- adequate coverage;
- surface uniformity;
- absence of visible defects;
- absence of mechanical damage.

Any defects shall be repaired before applying subsequent coats.

11. DRYING AND CURING

Drying and curing are influenced by:

- ambient temperature;
- substrate temperature;
- relative humidity;
- air movement;
- applied film thickness.

Full mechanical and chemical performance is achieved only after complete curing.

During curing, the coating shall be protected against:

- rain;
- condensation;
- mechanical damage;
- contamination.

12. LOCAL REPAIRS

Where damage occurs, repairs shall be carried out in accordance with the original application procedure.

Before repair:

- the damaged area shall be cleaned;
- sanding shall be performed where necessary;
- all loose material shall be removed;
- suitable adhesion conditions shall be ensured.

The repaired area shall match the surrounding coating as closely as possible in both appearance and performance.

13. QUALITY CONTROL

The completed coating system shall be inspected for:

- adequacy of surface preparation;
- correct mixing ratio;
- proper application procedure;
- uniform film thickness;

- adequate hiding power;
- homogeneous surface appearance;
- satisfactory adhesion;
- absence of visible defects.

Where required, visual inspection may be supplemented by laboratory or instrumental testing.

14. FINAL ACCEPTANCE

The coating system shall only be accepted when:

- the specified coating system has been fully completed;
- the finished surface exhibits a homogeneous appearance;
- no sagging, blistering, cracking or delamination is present;
- the coating satisfies the specified visual quality requirements;
- any repairs have been properly documented.

During handover, it is recommended that all application records and inspection reports be reviewed.

15. MAINTENANCE RECOMMENDATIONS

To maximise the service life of the coating system, the following practices are recommended:

- regular visual inspections;
- periodic removal of contaminants;
- prompt repair of mechanical damage;
- scheduled condition assessments.

More frequent inspections are recommended where the coating is exposed to severe mechanical or chemical service conditions.

16. RELATED DOCUMENTS

This document forms part of the **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT** technical documentation package and shall be used together with:

- Technical Data Sheet (TDS)
- Safety Data Sheet (SDS)
- Product Description
- System Specification
- Application Guide

- Quality Control Plan
- Method Statement
- Repair Procedure
- Maintenance Guide
- Inspection & Acceptance Checklist
- Inspection & Test Record