

SBC

INSPECTION & ACCEPTANCE GUIDE

SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT

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SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT

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1. PURPOSE

This Inspection & Acceptance Guide establishes the inspection procedures and acceptance criteria for the application of the **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT** coating system.

Its purpose is to ensure that all coating work is completed in accordance with the manufacturer's technical requirements and accepted industry practice.

The document defines the minimum inspection activities required during preparation, application and final acceptance.

2. SCOPE

This document applies to all projects involving the application of the **SOLAR GUARD PRO AQUA TRAPULIN AND RUBBER PAINT** coating system.

It is intended for:

- Quality Inspectors
 - Site Supervisors
 - Project Managers
 - Client Representatives
 - Third-Party Inspectors
 - Applicators
 - Maintenance Personnel
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3. RESPONSIBILITIES

Manufacturer

The manufacturer shall provide:

- Technical documentation;
 - Product specifications;
 - Safety information;
 - Technical support where required.
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Contractor

The contractor shall ensure:

- qualified personnel;
- correct application procedures;
- calibrated measuring equipment;
- quality records;
- corrective actions where required.

Inspector

The inspector shall:

- verify compliance;
 - record inspection results;
 - identify non-conformities;
 - approve or reject completed work.
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4. INSPECTION STAGES

Inspection shall be carried out at the following stages:

Stage	Inspection Required
Material delivery	✓
Surface preparation	✓
Environmental conditions	✓
Mixing	✓
Application	✓
Intermediate inspection	✓
Final inspection	✓

5. INCOMING MATERIAL INSPECTION

Before use, verify:

Item	Acceptance Criteria
Product name	Correct
Batch number	Recorded
Shelf life	Valid
Packaging	Undamaged
Quantity	Correct

Rejected materials shall not be used.

6. SUBSTRATE INSPECTION

The substrate shall be inspected before coating application.

Verify that the surface is:

- ✓ Clean
- ✓ Dry
- ✓ Sound
- ✓ Free from grease
- ✓ Free from oil
- ✓ Free from loose material
- ✓ Free from previous coating failures

Any deficiencies shall be corrected before coating application.

7. ENVIRONMENTAL INSPECTION

Before and during application record:

Parameter	Requirement
Air temperature	Within manufacturer's recommendation
Surface temperature	Suitable for coating
Relative humidity	Acceptable
Condensation	None
Rain	None

Application shall not proceed when environmental conditions fall outside the recommended limits.

8. MIXING INSPECTION

Verify:

- Correct product.
- Correct components.
- Correct mixing ratio.
- Complete mixing.
- Pot life observed.
- No contamination.

Record:

- Batch numbers
 - Mixing time
 - Pot life expiration
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9. APPLICATION INSPECTION

Inspect continuously during application.

Verify:

- uniform coverage;
- correct application equipment;
- correct number of coats;
- no contamination;
- no visible defects.

Wet film thickness measurements should be performed where required.

10. DRY FILM INSPECTION

After curing verify:

Inspection Item	Requirement
Uniform colour	Yes
Uniform gloss	Yes
Continuous coating	Yes
Dry film thickness	Within specification
Adhesion	Acceptable
Mechanical damage	None

11. FINAL ACCEPTANCE INSPECTION

The completed coating shall be free from:

- blistering;
- cracking;
- peeling;

- runs;
- pinholes;
- holidays;
- contamination;
- delamination.

The finished surface shall present a uniform decorative appearance.

12. INSPECTION RECORDS

The following records shall be maintained:

- Material delivery records
- Batch numbers
- Mixing records
- Environmental records
- Application records
- Dry film thickness measurements
- Repair records
- Final acceptance report

Inspection records shall be retained in accordance with the project quality requirements.

13. NON-CONFORMING WORK

Any work failing to comply with this document shall be classified as non-conforming.

Typical examples include:

- incorrect mixing ratio;
- inadequate film thickness;
- insufficient adhesion;
- surface contamination;
- coating defects.

Corrective actions shall be completed before final acceptance.

14. FINAL ACCEPTANCE CHECKLIST

Inspection Item	Accept	Reject	Remarks
Correct material	☐	☐	
Surface preparation	☐	☐	
Environmental conditions	☐	☐	
Mixing procedure	☐	☐	
Number of coats	☐	☐	
Film thickness	☐	☐	
Surface appearance	☐	☐	
Adhesion	☐	☐	
Colour consistency	☐	☐	
Defect-free finish	☐	☐	
Documentation complete	☐	☐	