

Surface Preparation Inspection Checksheet

Project Name: Checksheets.com	Project Code: CHKSHEETS1
Equipment Tag: -----	System: -----
Discipline: Painting	Location: -----
Contractor: -----	Date: 22/01/2026

1. Pre-Blasting Preparation

Initial preparation and setup verification

#	Activity / Check Item	Response
1	Surface free from oil, grease, dirt, and other contaminants <i>Use solvent cleaning if required</i> Ref: SSPC-SP1/NACE No. 1	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail
2	Mill scale, rust, and old coatings identified and marked	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail
3	Adjacent areas properly masked and protected	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail
4	Blast media type and grade verified against specification Ref: Project specification	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail

2. Environmental Conditions

Weather and environmental parameters verification

#	Activity / Check Item	Response
5	Ambient temperature measurement <i>Record temperature in °C. Min 5°C above dew point</i>	
6	Relative humidity measurement <i>Record RH as percentage. Typically <85% RH</i>	
7	Steel surface temperature measurement <i>Must be minimum 3°C above dew point</i>	
8	Dew point calculated and verified acceptable Ref: ISO 8502-4	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail
9	Wind conditions suitable for blasting operations	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail
10	No precipitation or forecast of rain during work	

3. Blast Profile Verification

Surface profile measurement and acceptance

#	Activity / Check Item	Response
11	Surface profile measured using replica tape or profile gauge Ref: ISO 8503-1 to 5	<input type="checkbox"/> Pass <input type="checkbox"/> N/A <input type="checkbox"/> Fail

12	Average profile depth measurement <i>Record in microns (μm)</i>			
13	Profile depth within specification range <i>Typically 50-100 μm depending on coating system</i> Ref: Project specification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Profile uniformity across blast area acceptable	Pass	N/A	Fail
15	No over-blasting or damage to substrate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

4. Cleanliness Standards

Surface cleanliness verification and acceptance

#	Activity / Check Item	Response		
16	Visual cleanliness standard achieved Ref: ISO 8501-1/SSPC-VIS 1			
17	All blast residue and dust removed <i>Use vacuum or oil-free compressed air</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Surface free from visible oil and grease Ref: ISO 8502-6	Pass	N/A	Fail
19	Soluble salt contamination test performed if required <i>Required for marine/offshore environments</i> Ref: ISO 8502-6/9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Surface chloride level acceptable if tested <i>Record in mg/m^2. Typically $<50 \text{ mg}/\text{m}^2$</i>			
21	No flash rust formation on prepared surface Ref: ISO 8501-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

5. Final Acceptance

Overall surface preparation acceptance and readiness for coating

#	Activity / Check Item	Response		
22	Surface preparation meets project specification requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	All test certificates and documentation available	Pass	N/A	Fail
24	Surface ready for immediate coating application	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Photographic evidence of completed work taken	Pass	N/A	Fail
26	Any defects or remedial work requirements noted			

Prepared By:

Reviewed By:

Approved By:

Date: _____ Sign: _____

Date: _____ Sign: _____

Date: _____ Sign: _____