

CONUS: CARC [CHEMICAL AGENT RESISTANT COATING] PROCESS CERTIFICATION (CoC)
Includes Non-CARC Heat Resistant Coating. Form to be completed by supplier performing paint application; check all that apply.

Part Number: _____ Revision: _____ Quantity: _____

Applicable Paint Dwg/s or Note/s: _____

Supplier Name/ Job Customer: _____

Date: _____ Special Notes: _____

CLEANING TT-C-490 Method _____ LS1138059, Section _____
 MIL-DTL-5541 Other: _____

Tested for Cleanliness--> YES, Method _____ NO

PRETREATMENT MIL-PRF-32550, Type _____ Class _____ MIL-DTL-5541 Type II Class: _____
 TT-C-490 Type _____ ASTM A967 or SAE AMS 2700
 MIL-A-8625 Type _____ LS1138059, Section _____
 Other: _____

Pretreatment Validated Hexavalent Chromium [HC] Free--> YES NO [HC IS NOT PERMITTED]

PRIMER MIL-DTL-53022, Type IV Other [No HC Permitted] _____
 MIL-DTL-53030
 MIL-DTL-53084
 MIL-PRF-32348
 MIL-PRF-85582
Manufacturer: _____
Product: _____
Batch: _____
 On the QPL: (When directed by the Military spec)

Compliant to LS1138059 Section 3.1.3--> YES NO [MUST COMPLY TO LS1138059]

TOPCOATING MIL-DTL-53039 Type IV MIL-PRF-32348
 MIL-DTL-64159 Other [No HC Permitted] _____
 MIL-PRF-14105 (Heat Resistant*)
 MIL-PRF-22750 (Interior)
Manufacturer: _____
Product: _____
Batch: _____
 On the QPL: (When directed by the Military spec)

Compliant to LS1138059 Respective Section/s--> YES NO [MUST COMPLY TO LS1138059]

COLOR Per LS1138059 Section 4.: 4.1 Green 4.2 Tan 4.3 White 4.4 Black
 4.5 Seafoam Green 4.6 Red 4.7 Marking Black Other: _____

TESTING

PASS	FAIL	Corrosion Resistance: _____ (Date of last test)
<input type="checkbox"/>	<input type="checkbox"/> Adhesion Test	(Specification tested per) _____
<input type="checkbox"/>	<input type="checkbox"/> Dry Film Thickness	(Hrs/ cycles tested) _____
<input type="checkbox"/>	<input type="checkbox"/> Solvent Wipe	(PASS/ FAIL) _____

The surface treatment processes comply with LS1138059 and MIL specifications: Yes / No
All scope performed I.A.W. applicable notes in technical data package per part #: Yes / No
All verification tests successfully completed per specifications: Yes / No

Supplier: _____ Date: _____

Signature: _____ Title: _____

COPIES OF ORIGINAL MANUFACTURER(S) PAINT AND PRIMER CERTIFICATIONS AND RELEVANT TEST DATA MUST BE AVAILABLE UPON REQUEST, INCLUDES SALT SPRAY

CHEMICAL AGENT RESISTANT COATING PROCESS REQUIREMENTS

The supplier shall be able to demonstrate compliance to the following requirements:

1. Substrate cleaning, pretreatment, and primer application shall be in accordance with the technical data package: contractors shall have objective evidence that application processes used are of sufficient performance I.A.W. **12585018 and LS1138059 (latest revisions)**, including recurring testing to verify repeatability.
2. Where MIL-PRF-32550 pretreatments [TT-C-490 Type VIII] are required in TDP [Technical Data Package] corrosion testing of process shall be cyclic per GMW 14872 for **100** cycles for initial performance verification [**12585018**]. Recurring tests **50** cycles.
3. Products shall be procured from the appropriate Qualified Products List (where applicable).
4. Reducers used in coatings shall meet the applicable military standard requirements.
5. CARC application process shall be in accordance with **12585018** and LS1138059 respective sections.
6. Testing shall be performed I.A.W. **12585018**. Records shall be maintained for all testing.
 - 6.1 Solvent Wipe
 - 6.2 Dry Film Thickness [DFT]
 - 6.3 Adhesion
 - 6.4 Corrosion ResistanceTesting to be performed by qualified laboratory [ISO 9000/IEC 17025 or NADCAP]. Upon special request a supplier may request to have provision made for testing in accordance with specifications within their own laboratory/ facilities. In such case this request to be submitted formally prior to accepting PO for GDLS consideration/ approval. Refer to specifications for quantity of test specimens per substrate per test [see **12585018**]. Where the use of production parts is not practical, sample panels of same/ **family group** material may be used, provided that they accurately reflect the production painting process and are compliant to **12585018 and LS1138059**. Contact GDLS prior to accepting PO for any panel material inquiries in case there is need for alternate consideration/s.
7. The DFT, adhesion, solvent wipe, and salt spray tests must be performed to verify performance of applicators CARC process ahead of coating GDLS product. Re-qualification is required when the process has been changed or when directed by GDLS. Recurring testing required to monitor process quality as indicated in specifications **12585018 and LS1138059**.
8. * **Heat Resistant Coating: Non-CARC, No pretreatment or primer to be used**. Clean per LS1138059 Section 3.1.1.1 to minimum SSPC-SP10 near white. MIL-PRF-14105 requires process verification prior to painting GDLS product for: Adhesion [post bake ASTM D3359 Method B, 4B or better], and DFT 2.0+- 0.5 mil. Excessive DFT will degrade coating. Cleanliness of substrate and properly controlled DFT are critical controls as are the baking cycle controls in LS1138059 Section 3.1.4.3. Prepare test panels of same/ similar material for process verification. Constant DFT monitoring required. Recurring adhesion testing required per batch.

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Record Retention: ACT (life of the contract) +10 years