

PPG Laboratory Test Results Certification

Cyclic Salt Spray

PPG Industries, Inc. certifies the following performance properties for the DURANAR® Coil Coating Systems when applied and baked on properly cleaned and pretreated substrates, according to PPG specifications:

Coatings: DURANAR® XL PLUS

Test:

- ASTM D5894 – Cyclic Salt Spray (Fog) and ASTM D4587 - UV Exposure Testing
- ASTM D1654 - Evaluation of Painted Specimens Subjected to Corrosive Environments
- ASTM D714 - Evaluating Degree of Blistering of Paints
- ASTM D3359 - Measuring Adhesion by Tape Test

Specification: Coated panels are subjected to alternating weeks of Cyclic Salt Fog/Dry and UV/Condensation exposure. The Salt Fog Cabinet runs a cycle of 1-hr fog at ambient temperature and 1-hr dry-off at 35°C. The fog electrolyte is a solution of 0.05% sodium chloride and 0.35% ammonium sulfate. The UV exposure cabinet is a fluorescent UV using UVA-340 lamps.

Result: After 2016 total hours exposure, HDG steel panels will be rated at 6 minimum, less than 1/8" creepage from scribe and rated as no activity up to Few #8 blisters on the face of the panel.

Aluminum panels will exhibit less than 1/16" creepage from scribe with no activity, up to a Few #8 blisters on the face.

Note: Test results are dependent on the paint system, the quality of the substrate and the pretreatment quality/quantity.

