



POWDER LELAND LONG LIFE COATING

THE NEW STANDARD IN PAINTED FINISHES

LELAND POWDER COATS UNDER THE FASTENER HEAD WHERE CORROSION BEGINS



- Outlasts conventional spray painted finish.
 - Powder painted finish lasts the life of your metal panels.
 - No cracking, even if the washer is overdriven and bent.
 - Leland has 5 powder coating lines and the flexibility to meet your requirements. Head painting only available for small diameter and decorative fasteners. Call for quotation.
 - Powder Coating over Leland's JS500 substrate exceeds 3000 hours salt spray life and 50 cycles in Kesternich (2.0 litre - SO² per cycle) testing with **NO RED RUST !**
 - **NO CHIPPING, ABRASION RESISTANT, NO PREMATURE FADING !**
- To protect finish, always install fastener with Leland Surface Drive Bits.

**ABSOLUTELY THE FINEST, MOST DURABLE,
PROTECTIVE COATING IN THE FASTENER INDUSTRY**



TECHNICAL DATA

Weather resistant Powder Coating is based on Polyester semi-gloss finish

Thickness	2.5 - 3.5 mils / 60 - 90 microns
Gloss according to Gardner 60 ⁰ ASTM D 253	55% ± 5%
Cross hatch adhesion ASTM D 3359 - Method B	pass 100%
Mandrel bending test ASTM D522	5/32 in / 4mm
Cupping ISO 2815	1/4 in / 7mm
Impact test ASTM D 2794-90 - 1/10 in distortion	up to 160 in/lbs
Pencil hardness ASTM B 3363	2H (min)
Salt Spray resistance test ASTM B 117-90	1500 h test, max undercutting 1/16 in / 1mm
Humidity resistance ASTM D 2447-87	1500 h test, min blisters 1/16 in / 1mm

In addition to the above mentioned test, an acid rain test called 2 L Kesternich-Test DIN 50018 is required in Europe (2 L sulphur dioxide added to Humidity test ASTM 2247

No blistering, no visual change on any samples. Superior to any liquid paints tested to date including Fluorocarbon materials.

Testing time: 50 cycles
(1 cycle: 8 hours exposure, 16 hours drying)

NOTE: This test is not required by AAMA 605.2-85 at this date, however, it is required for high performance coatings in other parts of the world.

7.10 Sealant Compatibility

No failures under commonly used sealant manufacturer's tests.

All test results and suggestions are based on laboratory tests. Specific job site conditions should be taken into consideration when specifying the proper fastener. Because applications vary, we assume no liability for use of this information.