

DuraTop-50

Relax: it's covered!

DuraTop-50 Quick Fact Sheet

The Tests:	The Conditions:	The Outcomes:
Electric Power Research Institute (EPRI)		
ASTM D2794-93	Impact test after 1,440 hours of salt spray & 3,000 hours of UV	The DuraTop material passed with no holidays reported.
Touchstone Labs - West VA		
ASTM G154-06 & G151-00	UV Test - 30 days - tested against the industry's leading polyurethane	The DuraTop material lost 3.3% reflectivity. The polyurethane lost 98.7%.
ASTM G85 SWAAT	30 Day, Salt Water-Acetic Acid Test	The DuraTop material did not break down or discolor, and the substrate had no rust.
Sun Belt Coatings QA/QV Lab		
ASTM B117	Salt spray, high temperature and humidity	The DuraTop material stood up to 3,072 hours without failing.
Ovante Research & Development - Auburn, AL		
Bridging Test	At the request of Southern Company, coating was applied over old polyurethane and rust spots for 30, 60, and 90 days under spray at 120F (49C)	The DuraTop material bridged the old coating, sealed off the rust spots, and never lost adhesion. The rust did not advance.
HVLI-12	12-gauge shotgun blast, steel shot @ 1,255 fps from a distance of 75 feet	The DuraTop material showed light scuffing with no penetration.
Temperature Swing	Coated coupons spent 24 hours under spray at 120F (49C) and 24 hours at -10F (-23C). That was one cycle.	DuraTop passed through 45 cycles without expanding, contracting, or delaminating.
Alabama DOT - Orange Beach, AL at Perdido Pass Bay		
Multi-Environment Test	13 month test - The 14' steel post was attaching to a marine grade piling in the bay. 6' was immersed in seawater, 2' was in the splash zone, and 6' was in salt air, exposed to UV.	6 months into the test, ALDOT cut a section from the bottom of the post. The coating did not delaminate over the next 7 months. The coating in the splash zone was pristine.
Corrugated Steel Pipe Institute - "Handbook of Steel Drainage & Highway Construction Materials" - Chapter 8 "Durability"		
The CSPI found that, in the case of buried corrugated steel pipe, the 10 mil coating applied before installation added 20 to 70 years to life of the steel on the inside (water contact) and 50 to 75 years to the outside (soil contact). This is the same polymer as DuraTop. The DuraTop is applied in thicknesses of 32 to 125 mils.		
To see these test results in greater detail, go to www.ovantellc.com/ovante-publications/		
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