Taber Abrasion & Neutral Salt Fog – Evaluation of InterCoat® ChemGuard

Test Goal: To evaluate InterCoat® ChemGuard systems through taber abrasion, with abraded panels being exposed to a neutral salt spray environment (ASTM B117).

Taber Abrasion Testing: All test samples were exposed for both 25 and 50 rotation cycles, their weight loss being documented upon completion. A CS-10 wheel was utilized under a 500g load. Panels were photographed after abrasion, before the start of exposure to NSS.

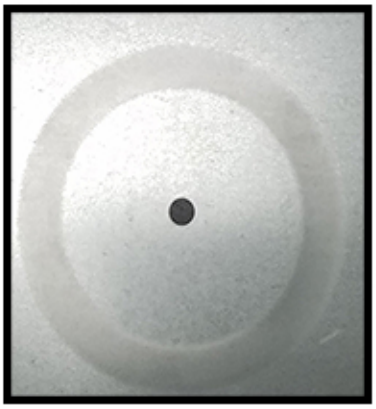
NSS Exposure: Panels were exposed in a neutral salt fog environment according to ASTM B117 until the first of the exposed coupons reached 10-15% red rust. Upon reaching that benchmark, all panels were terminated and photographed.

Taber Abrasion Weight Loss
25 and 50 Cycle Results
CS-10 Wheel
500g Load

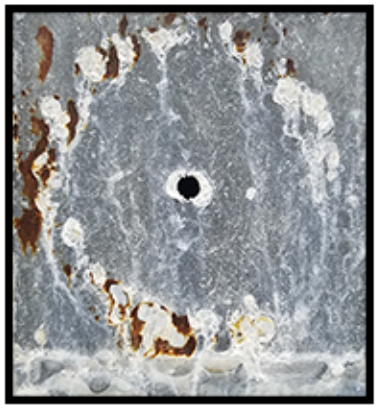
Substrate	Coating System	# of Cycles	Weight, Initial (g)	Weight, Final (g)	Weight Loss (g)
HDG	Industry Leading TFA	25	64.2140	64.2129	0.0011
		50	65.6864	65.6829	0.0035
HDG	CG365 (TFA)	25	64.7357	64.7353	0.0004
		50	65.2793	65.2770	0.0023
HDG	CG315L	25	63.9043	63.9039	0.0004
		50	64.8028	64.8023	0.0005
HDG	CG315L + Dry Film Lubricant	25	64.8493	64.8476	0.0017
		50	63.5991	63.5966	0.0025

Taber Abrasion
&
ASTM B117 Salt Spray Results

Industry Leading TFA (CrVI)

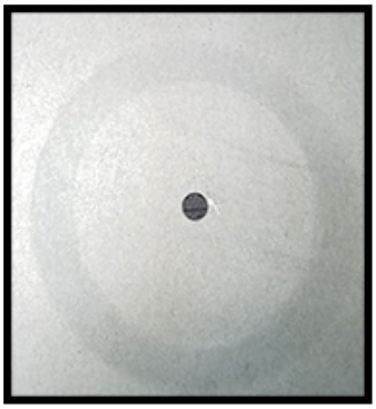


Before NSS



672 Hours

InterCoat® ChemGuard 365L TFA (RoHS)



Before NSS

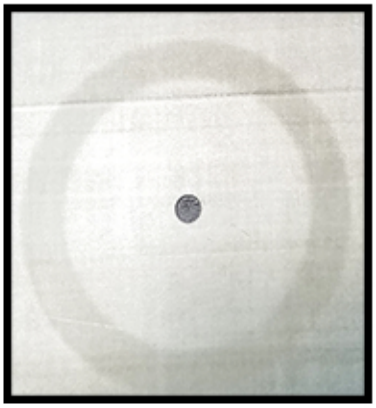
672 Hours

InterCoat® ChemGuard 315L (RoHS)

Before NSS

672 Hours

InterCoat® ChemGuard 315 + DFL (RoHS)



Before NSS

672 Hours