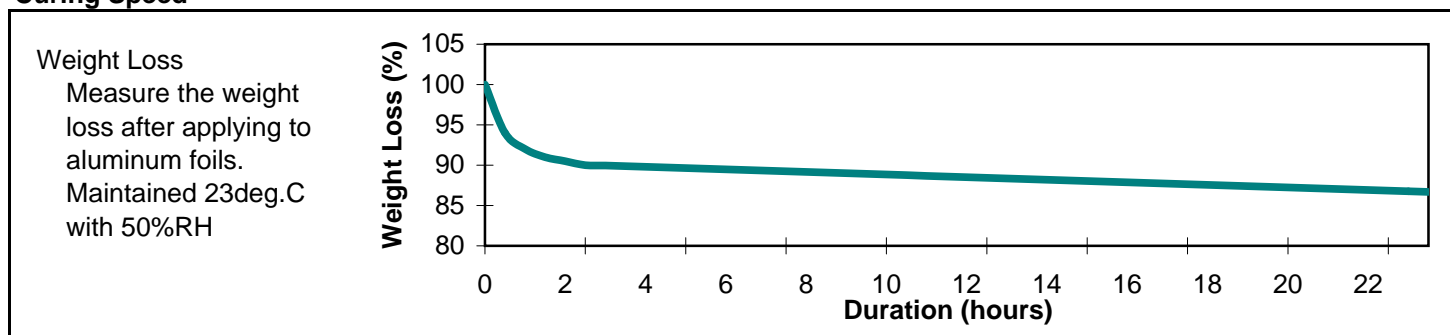


SPECIFICATIONS

Permeate™ HS-100 Sealer for Metal Corrosion Coating

	Units	Permeate HS-100		Measurement Method/Equipment used
		Clear	with color	
Specific Gravity	(H ₂ O=1)	1.12	1.43	Specific Gravity Cups at 23 deg.C
Viscosity	cP	15.5	40+	Viscometer Type B 1-60 at 23 deg.C
Color	Gardner Index	1	1	
pH		6.5		pH Paper Test
NV(Nonvolatile matter)	%	80.9	87.6	JISK5407(105deg.C for 3 hours)
Surface Tension	mN/m	25.6		Wilhelmy Plate Measurement Equipment
Refractive Index		1.45		Atago Handheld Refractive Meter R-5000
Flash Point	degree F	131		Seta Closed System
Adhesive Strength on Zn/Al 100 micron thick coating	N/mm ²	5		Elcometer 106 Adhesion Tester (JIS K5600 5.7 Pull Off Method)
		WHITE	6.5	
		BLUE	5	

Curing Speed



Tackiness to Touch	Within 1 hours	It will not stick to the finger but leaves finger print		
	After 24 hours	It will not leave any mark		
Pencil Hardness Test	After 3 days	H to 2H	H to 2H	Maintained 23deg C/50%RH
	After 1 week	3H to 4H	3H to 4H	
	After 1 month	4H	4H	
Film Hardness Test (N/mm ²)	After 1 week	5.9	5.2	Film thickness 0.3 to 0.4mm
	After 1 month	14.6	11.1	Maintained 23deg C/50%RH
Film Elongation	After 1 week	3.0%	2.0%	Toyo-Baldwin Tensilon UTM-5T
	After 1 month	6.0%	4.0%	

Manufactured by: D & D Corporation, Mie-ken, Japan

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