Outdoor Pipeline Base

Physical Properties

Facestock	50 micron Gloss Radiant White Polyester
Adhesive	20 micron #300 E Acrylic
Liner	77 micron, 90g/m² White Densified Glassine
Shelf Life	24 months from date of manufacture of product when properly stored between 22° C and 50% relative humidity

Performance Characteristics

Not for specification purposes

Adhesion	**90° Peel Adhesion**			
	Initial (20 Minute Dwell/RT)		**Ultimate Adhesion 72 Hours Dwell at 70°C**	
	N/10mm	**Oz/in**	**N/10mm**	**Oz/in**
Aluminium	4.2	38	5.6	50
Stainless Steel	4.5	41	5.6	50
Powder Coating	3.0	27	5.2	47
Temperature Resistance	149° C for 24 hours:		No significant visual change 0.7% MD shrinkage 0.9% CD shrinkage	
	-40'° C for 3 days:		No significant visual change	
Humidity Resistance	24 hours at 38°C and 100% relative humidity		No significant changes in appearance or adhesion	

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Environmental Performance	The properties defined are based on four hour immersions at room temperature 22°C unless otherwise noted. Samples were applied to stainless steel panels 24 hours prior to immersion and were evaluated one hour after removal from the solution for peel adhesion. Adhesion measured at 90° peel angle (FTM 2) at 305 mm/min.			
Chemical Resistance	**Adhesion to Stainless Steel**		**Appearance**	**Edge Penetration**
Chemical	**N/10mm**	**Oz/in**	**Visual**	**Millimetres**
Heptane	3.8	34	No Change	5
Petrol	3.2	29	No Change	4
Diesel	4.8	43	No Change	1
SAE 15W40 Engine Oil	5.5	50	No Change	0
Dot 4 Brake Fluid	5.6	50	No Change	0
Screen Wash	7.0	63	No Change	0
IPA	5.3	48	No Change	1
Toluene	3.1	28	No Change	5
MEK	3.2	29	No Change	5
Lemsolve	5.0	45	No Change	2
Teepol Detergent	3.6	32	No Change	0
PH 4	7.0	63	No Change	0
PH 10	6.6	59	No Change	0
409 Solution	6.4	58	No Change	0

Special Consideration

For maximum bond strength, the surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.

NOTE: When using solvents, read and follow the manufacturer's precautions and directions for use

For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 5°C can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rubdown pressure