

Lab Test Results

Test Conducted	Product	Result	
<u>Adhesion</u>			
ASTM D541/ISO 4624	1335	Concrete (Wet) - Substrate Failure, Concrete (Dry) - Substrate Failure	
	1515	Concrete (Wet) - Substrate Failure, Concrete (Dry) - Substrate Failure	
		Steel (Wet) - >2800psi, Steel (Dry) - >2600psi	
	1535	Concrete (Wet) - Substrate Failure, Concrete (Dry) - Substrate Failure	
		Steel (Wet) - >2500psi, Steel (Dry) - >2200psi	
	1545	Concrete (Wet) - Substrate Failure, Concrete (Dry) - Substrate Failure	
	JIS K 5600-5-7:1999	1335	Concrete (Wet) - 3.3N/mm ² , Concrete (Dry) - 3.1N/mm ²
		1515	Concrete (Wet) - 2.2N/mm ² , Concrete (Dry) - 3.2N/mm ²
		1525	Concrete (Wet) - 2.8N/mm ² , Concrete (Dry) - 2.7N/mm ²
		1535	Concrete (Wet) - 3.5N/mm ² , Concrete (Dry) - 2.8N/mm ² Steel (Dry) - 2.4N/mm ²
<u>Hardness</u>			
ASTM D-2280 (Shore D)	1335	62-67	
	1505	70-75	
	1515	70-75	
	1535	75-80	
	1545	76-81	
JIS K 5600-5-4: 1999 (Pencil Hardness)	1335	H	
	1515	H	
	1525	H	
	1535	2H	
<u>Abrasion</u>			
ASTM D-4060 Taber Abrasion (CS 17/1kg/1000 cycles)	1335	61mg/1000 cycles	
	1505	68mg/1000 cycles	
	1515	51mg/1000 cycles	
	1525	73mg/1000 cycles	
	1535	70mg/1000 cycles	
<u>Impact Resistance</u>			
JIS A 6909:2003	1535	No surface cracking, deformation or peeling observed	
<u>Chemical Resistance</u>			
JIS K 5600-6-1:1999			
Deionized Water (240 hours)	1335	No cracking, peeling or expansion observed	
	1515	No cracking, peeling or expansion observed	
	1535	No cracking, peeling or expansion observed	
	1535	No cracking, peeling or expansion observed	
	5% Acetic Acid (24 hours)	1535	No cracking, peeling or expansion observed
	5% Hypochlorous Acid (24 hours)	1535	No cracking, peeling or expansion observed
	5% Nitric Acid (24 hours)	1535	No cracking, peeling or expansion observed
	5% Hydrochloric Acid (24 hours)	1535	No cracking, peeling or expansion observed
	10% Sodium Hydroxide (24 hours)	1535	No cracking, peeling or expansion observed
	30% Sodium Hydroxide (24 hours)	1535	No cracking, peeling or expansion observed
	30% Sulphuric Acid (24 hours)	1535	No cracking, peeling or expansion observed
	Gasoline (24 hours)	1535	No cracking, peeling or expansion observed
	Motor Oil (24 hours)	1535	No cracking, peeling or expansion observed

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<u>Salt Water Spray</u> JHS 417-2008	1535	No cracking, peeling or expansion observed (2000 hours)
<u>Chloride Ion Permeability</u> JHS 417-2008	1535	Below the minimum value of measurement (0.00034mg/cm ²)
<u>Potable Water</u> AS/NZS 4020:2002	1335	7272mm ² /L
<u>Formaldehyde Emission</u> JIS K 5601-4-1:2003	1515	Below the minimum value of measurement (0.03mg/L)