



**FLEXCOAT ACRYLIC FINISH COAT**  
**Testing Summary**

<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>RESULTS</b>
<b>BOND STRENGTH</b>		
on Imasco Polybase-Wet, MPa	ASTM C-297	dry state: 0.19 2 hrs after removal from water: 0.18 7 days after removal from water: 0.18
on Imasco GreatWall, MPa		dry state: 0.53
<b>FLEXIBILITY</b>		
Pliability	ASTM D-522	Passes 1/8 " mandrel, at 25 °C
<b>IMPACT RESISTANCE</b>		
Impact Resistance for:		
FlexCoat + Polybase-Wet + mesh	ASTM D-5420	Pass; no perforation (broken mesh)
<b>WATER RESISTANCE</b>		
Impermeability to Water for:		
FlexCoat + Polybase-Wet + mesh	CCMC 07240, Section 6.6	No dampness after 2.5 hours
FlexCoat + Polybase-Dry + mesh		No dampness after 2.5 hours
<b>WATER VAPOUR TRANSMISSION</b>		
Water Vapour Permeance for:		
FlexCoat, ng/Pa.s.m <sup>2</sup> (perms)	ASTM E-96, Desiccant Method	305 (5.33)
FlexCoat + Polybase-Wet + mesh, ng/Pa.s.m <sup>2</sup> (perms)		218 (3.80)
FlexCoat + Polybase-Dry + mesh, ng/Pa.s.m <sup>2</sup> (perms)		240 (4.19)
<b>ACCELERATED WEATHERING</b>		
Accelerated Weathering, Xenon Arc Exposure	ASTM G-53	No deleterious effects after 2000 hours
Chalk Resistance, Rating (10=best on scale 1-10)	ASTM D-4214	9 after 2000 hours
<b>MILDEW AND FUNGAL RESISTANCE</b>		
Mildew and Fungal Resistance	MIL 810E	No fungal or mildew development on surface
<b>SALT SPRAY RESISTANCE</b>		
Salt Spray Fog Resistance	ASTM B-117	No cracking, flaking or deleterious effects
<b>SURFACE BURNING</b>		
Flame Spread	ASTM E-84	5
Smoke Development		10
<b>ABRASION RESISTANCE</b>		
Abrasion Resistance	ASTM D-968	Passes (no failure after 1000 L sand)