



## SUMMARY OF TESTS GUARDIAN WATERBASED ARMOURCOAT

TESTS	RESULTS	
VOC	56g/l (Exceeds 2010 voc regulations)	
WATER VAPOUR PERMEABILITY	S <sub>D</sub> 0.78m (Complies with Class II Semi breathable)	
REFLECTIVITY	Certified for use on reflective traffic signs.	
WEATHERING RESISTANCE (ACCELERATED WEATHERING QUV CABINET)	Superior resistance to chalking and gloss change @2000hrs	
WEATHERING RESISTANCE (EXTERNAL WEATHERING)	Superior resistance to chalking and gloss change @2 yrs	
ANTI CARBONATION WATER VAPOUR TRANSMISSION	S <sub>D</sub> <1m (Exceeds requirement)	
ANTI CARBONATION CARBON DIOXIDE DIFFUSION	R value up to 983m (Exceeds requirement)	
CHLORIDE ION DIFFUSION	<0.1x10 <sup>-12</sup> m <sup>2</sup> /sec (Exceeds requirement)	
COEFFICIENT OF FRICTION	Excellent Slip Resistance μ <sub>D</sub> >0.8	
TABER ABRASION	Excellent Wear Index 65	
ADHESION (CROSS CUT)	Concrete	Pass 100% adhesion
	Vinyl	Pass 100% adhesion
	Mild Steel	Pass 100% adhesion
	Plastisol	Pass 100% adhesion
	Polyester	Pass 100% adhesion
	PVDF	Pass 100% adhesion
CHEMICAL RESISTANCE	Alkali solution (40%NaOH)	Pass no effect @ 48hrs
	Acid solution (40% H <sub>2</sub> SO <sub>4</sub> )	Pass no effect @ 48hrs
	Acetic Acid	Pass no effect @ 8hrs
	Distilled Water	Pass no effect @ 8hrs
	Detergent solution	Pass no effect @ 8hrs
	Xylol Resistance	Pass no effect
ANTI GRAFFITI CERTIFICATION	Approved Gütegemeinschaft Anti-Graffiti e.V. Certified to RAL-GZ 841	