

Carnegie Armor Wall Protection Performance Test Results: CCC-W-408D requirements

Category V-Type III-Commercial Serviceability

Requirements in Accordance with: ASTM F793-93, ASTM D751, CCC-W-408D, MIL-STD-1623, ASTM 1151F

TEST	REQUIREMENT	CARNEGIE ARMOR
Weight	N/A	33 oz/linear yard*
Abrasion Resistance	300 cycles (220 grit)	1,000 Cycles
Breaking Strength-length	100 lbs Minimum	130 lbs
Breaking Strength-Width	95 lbs Minimum	100 lbs
Tear Resistance Length	50 Minimum	56 lbs
Tear Resistance Width	50 Minimum	57 lbs
Blocking Resistance	2 Maximum	1
Coating Adhesion	3 lbs/inch	CCNBR*
Cold Crack Resistance	No Change	No Change
Heat Aging Resistance	No Change	No Change
Chemical Resistance	N/A	Good
Crocking Resistance	Good	Good
Stain Resistance	Reagents 1-12	Meets or Exceeds STD
Scrubability	300 Cycles	500 Cycles
Washability	100 cycles	300 cycles
Mildew Resistance	G21 w/ 0 or 1 rating	Rating =0
Bacteria Resistance	G22 w/ No growth	No Growth
Shrinkage	MD=2% TD=1.5%	MD=0 TD=0
Colorfastness to Light	200 hours	200 hours
Flammability (ASTM E84)	Flame Spread: 25 Smoke Development: 50	Flame Spread: 25 Smoke Development: 30
Flammability (CAN UL S102)	N/A	Flame Spread: 20 Smoke Development: 45
Flammability (SBI/EN13501)	N/A	B-s1-d0

*Method CCC-W-408D does not use weight as an assessment point and looks solely at physical performance

CCNBR= Coating Could Not Be Removed