

Physical Results

Carnegie

Surface iQ Physical Results:
 CFFA and CCC Requirements



CLASSIFICATION SiQ Non-PVC Wall Covering
 Category V-Type II-Commercial Serviceability

REQUIREMENTS IN ACCORDANCE WITH ASTM F793-93, ASTM D751, CFFA-W-101-D, CCC-W-408D, and MIL-STD-1623

TEST	ASTM REQUIREMENT	SURFACE IQ
Weight	19.5 oz /linear yard	Meets or Exceeds STD
Colorfastness to Light	200 hours	Meets or Exceeds STD
Washability	100 cycles	Meets or Exceeds STD
Stain Resistance Reagents	1-12	Meets or Exceeds STD
Crocking Resistance	Good	Meets or Exceeds STD
Scrubability	300 cycles	Meets or Exceeds STD
Abrasion Resistance	300 cycles (220 grit)	Meets or Exceeds STD
Breaking Strength – MD PCO	50lbs Minimum	77lbs
Breaking Strength – TD PCO	55lbs Minimum	118lbs
Tear Resistance MD PCO	25 Minimum	80
Tear Resistance TD PCO	25 Minimum	48
Blocking Resistance	2 Maximum	1
Coating Adhesion	3lb/inch	N/A, cloth present
Cold Cracking Resistance	No Change	No Change

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TEST	ASTM REQUIREMENT	SURFACE IQ
Heat Aging Resistance	No Change	No Change
Flammability (PCO Backed)	Flame Spread = 25 Smoke Development = 50	Flame Spread = 25 Smoke Development = 10
Peelability	Pass	Pass
Strippability	Pass	Pass
Mildew Resistance	Practice G21 w/ 0 or 1 rating	Rating = 0
Shrinkage	MD = 2% / TD = 1%	MD = 0 / TD = 0

There are three general categories of fabric-backed commercial wall covering - **Type I**, **Type II**, and **Type III**, which refer to the weight and performance associated with the wall covering in these categories.

Type II is a medium-duty wallcovering that weight between 19.5 and 32 oz per linear yard (based on 54" width), and is produced on Polyester / Cotton Osnaburg (PCO) fabric backing Type II is the most popular class of commercial wallcovering and is specified for areas where greater than normal traffic and surface abrasion is expected.