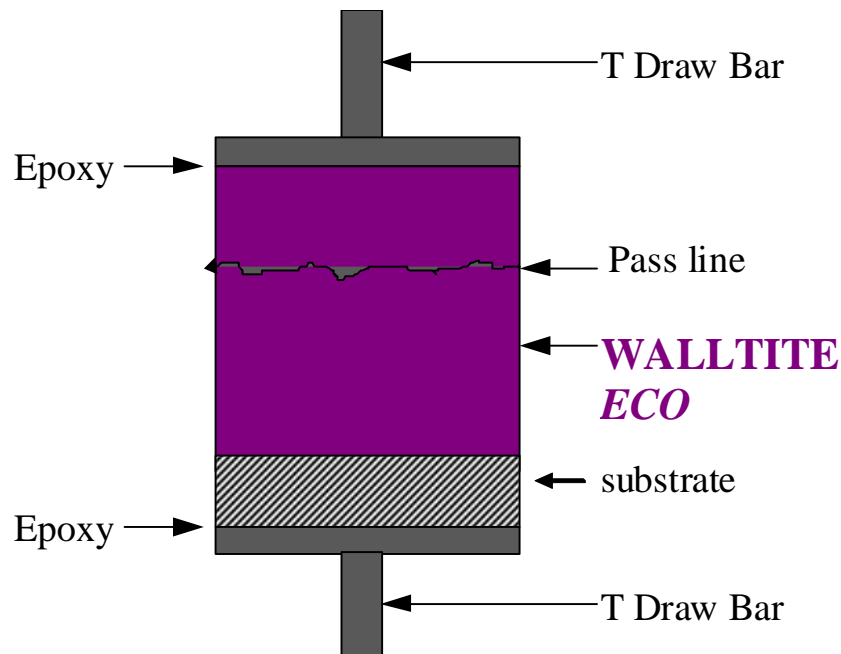


## Adhesion tests – WALLTITE® ECO ASTM D1623 (type C sample)

### DESCRIPTION\*:

Adhesion tests done by a laboratory approved by Standard Council Canada (SCC) over various substrates - primer used is recommended by the membrane manufacturers.

WALLTITE® ECO was sprayed at 50.8 mm (2 in) in 2 passes. The samples were cut into 50 mm (2 in) cubes. T-shaped draw bars were epoxied to each end. The samples were drawn apart on an Instron to measure the Tensile Break Strength In accordance with ASTM D 1623 (Type C sample testing speed 1.3 mm/ min). Results are from the average of three tested samples.



### APPROVALS AND CREDENTIALS:

CCMC # 13408-L – insulation / air barrier material

CCMC # 13467-R – air barrier system

\*All the values were obtained in our development facility under controlled conditions. The values will vary with differences in application (i.e. ambient conditions, process equipment and settings, material throughput, etc.). As a result, these published values should be used as guidelines solely for the purpose of evaluation. The minimum adhesion accepted when our insulation / air barrier system CCMC # 13467-R is used is the following: membrane over the substrate and WALLTITE ECO over the membrane or substrate is 103.4 kPa (15 psi).

## TYPICAL PROPERTIES

Substrate	WALLTITE® ECO applied over:	Tensile Break Strength min. 103.4 kPa (15 psi)	Results
Plywood board	Plywood board	Pass	Pass
Wood studs 38 mm X 89 mm (2" X 4")	Wood studs 38 mm X 89 mm (2" X 4")	Pass	Pass
CGC SHEETROCK <sup>MD</sup> exterior grade	CGC SHEETROCK exterior grade	Pass	Pass
CGC SHEETROCK interior grade	CGC SHEETROCK interior grade	Pass	Pass
CGC GYPLAP <sup>MD</sup> exterior grade	CGC GYPLAP exterior grade	Pass	Pass
CGC FIBEROCK <sup>MD</sup> interior panel	CGC FIBEROCK Interior panel	Pass	Pass
DensGlass Gold® exterior grade (GP)	DensGlass Gold exterior grade	Pass	Pass
E <sup>2</sup> XP <sup>TM</sup> exterior grade (National Gypsum)	E <sup>2</sup> XP exterior grade (National Gypsum)	Pass	Pass
GlasRoc® (Certainteed)	GlasRoc (Certainteed)	Pass	Pass
Neopor <sup>MD</sup> (BASF) Expanded polystyrene	Neopor (BASF) Expanded polystyrene	Pass	Pass
DOW SM <sup>TM</sup> extruded polystyrene	DOW SM Extruded polystyrene	Pass	Pass
Plywood	Lastobond 195 (membrane) Soprema	Pass	Pass
DensGlass Gold exterior grade	Lastobond 195 (membrane) Soprema	Pass	Pass
DensGlass Gold exterior grade	Lastobond shield HT (membrane) Soprema	Pass	Pass
Plywood	Lastobond shield HT (membrane) Soprema	Pass	Pass
DensGlass Gold® exterior grade	Blueskin® SA (membrane)	Pass	Pass
Plywood	Blueskin SA (membrane)	Pass	Pass
Plywood	Protecto Wrap® 100/40	Pass	Pass
DensGlass Gold exterior grade	Protecto Wrap 100/40	Pass	Pass

Substrate	WALLTITE ECO applied over:	Tensile Break Strength min. 103.4 kPa (15 psi)	Results
DensGlass Gold exterior grade	Protecto Wrap AVM	Pass	Pass
Cement board	Ecoflex-S (EPRO™ Services)	Pass	Pass
DensGlass Gold exterior grade	IKO AquaBarrier™ AVB with <b><u>2 coats of primer</u></b>	Pass	Pass
Plywood	IKO Torchflex TF-95-FF-Base	Pass	Pass
DensGlass Gold exterior grade	IKO Torchflex TF-95-FF-Base	Pass	Pass
Plywood	Sopraseal Stick 1100T ( <b><u>summer grade</u></b> ) (Soprema)	Pass	Pass
Plywood	TREMproof® 201/60) (Tremco)	Pass	Pass
DensGlass Gold® exterior grade	TREMroof 201/60) (Tremco)	Pass	Pass
Plywood	TREMproof® 250 GCR (Tremco)	Pass	Pass
Plywood	ExoAir™ 110 (Tremco)	Pass	Pass
DensGlass Gold exterior grade	ExoAir 110 (Tremco)	Pass	Pass
Plywood	ExoAir 110 LT (Low Temperature) Tremco	Pass	Pass
DensGlass Gold exterior grade	ExoAir 110 LT (Tremco)	Pass	Pass
Plywood	ExoAir 220R (Tremco)	Pass	Pass
DensGlass Gold exterior grade	ExoAir 220R (Tremco)	Pass	Pass
DensGlass Gold exterior grade	Perm-A-Barrier® (Grace)	Pass	Pass
Owens Corning® Celfort 200™	Celfort 200	Pass	Pass
DOW® Cladmate™	DOW Cladmate	Pass	Pass
Owens Corning CodeBord™	Owens Corning CodeBord	Pass	Pass

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Substrate	WALLTITE ECO applied over:	Tensile Break Strength min. 103.4 kPa (15 psi)	Results
Cement board 12.7 mm (0.5 inch)	Duraseal Permabase	Pass	Pass
Plywood 12.7 mm (0.5 inch)	IKO Torchflex 95GR S/P	Pass	Pass
Plywood 12.7 mm (0.5 inch)	Hohmann and Barnard Textroflash Green	Pass	Pass
Plywood 12.7 mm (0.5 inch)	Soprema 180 HD	Pass	Pass
Plywood 12.7 mm (0.5 inch)	Soprema 180 HD F/F	Pass	Pass

For the following materials, WALLTITE ECO was sprayed in 2 passes. The foam was cut into 57 mm (2.25 in) circles. T-shaped draw bars were epoxied to the foam. The samples were drawn apart using a COM-TEN (with 300 lb gage) to measure the tensile Break Strength in accordance with ASTM D4541 (testing speed: less than 1 MPa/s, so that the failure occurs in about 100 s or less).

Substrate	WALLTITE ECO applied over:	Tensile Break Strength min. 103.4 kPa (15 psi)	Results
Concrete (poured)	Concrete poured	Pass	Pass
Concrete bloc	Concrete bloc	Pass	Pass
Metal studs 38mm X 140 mm (2"X 6") with primer	Metal studs 38mm X 140 mm (2"X 6")	Pass	Pass

BASF Canada

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