



Agenda

- 1. Are things different than before?
- 2. Prescriptive requirements.
- 3. Quick review of requirements.
- 4. Foam Plastics specific approvals.
- 5. Test Reports and Evaluation Reports.



More foam is being used... ...and used in new ways.

- 1. The IRC requirements for foam have changed a lot over the past few code cycles. This has created a lot of confusion amongst builders, contractors, architects and code officials.
- 2. AC-377 was in established 2008 to allow more accurate performance testing of SPF products.
 - Applies jobsite installation of spray foam
 - Establishes testing procedures for qualifying
 - Fire performance of foam -
 - Ignition barrier
 - Thermal Barrier
- 3. The SPF technology has advanced, especially with fire performance.



















Ignition Barrier

The **reduced** provision provides a barrier whose only purpose is to prevent the direct impingement of flame on the foam plastic insulation

















Attics	
No requirement	No access required R806 < 30" high & < 30ft ²
Ignition barrier required	Access required R806 \geq 30" high & \geq 30ft ² No Storage
Thermal barrier required	Access required R806 \geq 30" high & \geq 30ft ² With Storage











11/29/2011





15



	Gaco Western
Foam pl	astic
3 paths to co	ompliance
 R316.3 Surface Burning Character R316.4 Thermal Barrier R316.5 Specific Requirements R316.5.1 Masonry - Concrete R316.5.2 Roofing R316.5.3 Attics R316.5.4 Crawl Spaces R316.5.5 Foam-filled doors R316.5.7 Foam backer board 	istics Construction R316.5.8 Re-siding R316.5.9 Interior trim R316.5.10 Interior finish R316.5.11 Sill plates & headers R316.5.12 Sheathing
3 R316.6 Specific Approval	IRC: R316









- 40 kW fire for 4:18 minuets
- Flames can not reach the ceiling
- Smoke released not exceed 1,000 m²









It is the assembly that is evaluated

Gaco WallFoam 183MTRR2 Fireshell F10E 16 wet milsNone RequiredDC315 6 wet mil base, 22 wet mills top coat = 28 wet mils totalNone RequiredGacoGreen 052TRR2 Fireshell F10E 26 wet milsTPR2 IB4 14 wet milsGacoFireStop 5500DC315 22 wet millsNone Required	Product	Thermal Barrier	Ignition Barrier
DC315 6 wet mil base, 22 wet mills top coat = 28 wet mils totalGacoGreen 052TRR2 Fireshell F10E 26 wet milsTPR2 IB4 14 wet milsGacoFireStop 5500DC315 22 wet millsNone Required	Gaco WallFoam 183M	<i>TRR² Fireshell F10E</i> 16 wet mils	None Required
GacoGreen 052TRR2 Fireshell F10E 26 wet milsTPR2 IB4 14 wet milsGacoFireStop 5500DC315 22 wet millsNone Required		DC315 6 wet mil base, 22 wet mils top coat = 28 wet mils total	
GacoFireStop 5500 DC315 None Required 22 wet mills	GacoGreen 052	<i>TRR² Fireshell F10E</i> 26 wet mils	<i>TPR² IB4</i> 14 wet mils
	GacoFireStop 5500	DC315 22 wet mills	None Required





	Intertek
	REPORT NUMBER: 1003096205AT-004_Rev2 ORIGINAL ISSUE DATE: February 24, 2011 REVISED DATE: March 16, 2011
OR	EVALUATION CENTER Intentik Tesling Services NA Inc. 16015 Shady Falls Rd. Elimendori TX 78112
REP	RENDERED TO Gaco Western 1245 Chapman Drive. Wai keela WI 53186
	Thursdan, th so so
S	PRODUCT EVALUATED: GacoFireStop 5500, 0.5 pound open cell:spray foam EVALUATION PROPERTY: Heat Release, Flame Spread
TES	PRODUCT EVALUATED: GacoFireStop 5500.0 5 pound open cell, spray foam. EVALUATION PROPERTY: Hoat Release, Flame Spread
TES	PRODUCT EVALUATED: GacoFireStop 5500. 0.5 pound open cell, spray foam. EVALUATION PROPERTY: Heat Release, Flame Spread Report of te foam for compliance with the applicable requirements of the following criteria: ICC-ES AC377 Appendix X, Approved June, 2010.
TES	PRODUCT EVALUATED: GacoFireStop 5500.05 pound open cell, spray foam. EVALUATION PROPERTY: Hoat Release, Flame Spread Report of te foam for compliance with the applicable requirements of the following criteria: ICC-ES AC377 Appendix X, Approved June, 2010.

Evaluation Reports

- Confirm that products meet code requirements.
- Technical review of data by 3rd party.
- Is not required by code.....but some code officials require it.







- Questions
- Complaints

