

TO: Atlanta Sales, Commercial Field Sales, Regional Managers, Plant Managers and Account Executives

NUMBER TB-11

FROM: Director Technical Services, Commercial Products Division

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SUBJECT: 2014 ACFoam[®] Revised LTTR Values

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*SUPERSEDES EXISTING DOCUMENTS

On May 16, 2014 the LTTR values for polyiso roofing products will be revised in accordance with the updated ASTM C1289 Standard. The 2014 revised LTTR values will affect the following ACFoam[®] products: ACFoam[®]-II, ACFoam[®]-III, ACFoam[®] Supreme, ACFoam[®] Nail Base and ACFoam[®] CrossVent[®]

THICKNESS	ACFoam [®] -II, ACFoam [®] -III & ACFoam [®] Supreme	
	ASTM C1289-11	
1.0"	5.7	
1.1"	6.3	
1.2"	6.8	
1.3"	7.4	
1.4"	8.0	
1.5"	8.6	
1.6"	9.1	
1.7"	9.7	
1.8"	10.3	
1.9"	10.8	
2.0"	11.4	
2.1"	12.0	
2.2"	12.6	
2.3"	13.2	
2.4"	13.8	
2.5"	14.4	
2.6"	15.0	
2.7"	15.6	
2.8"	16.2	
2.9"	16.8	
3.0"	17.4	
3.1"	18.0	
3.2"	18.6	
3.3"	19.2	
3.4"	19.9	
3.5"	20.5	
3.6"	21.1	
3.7"	21.7	
3.8"	22.3	
3.9"	23.0	
4.0"	23.6	
4.1"	24.2	
4.2"	24.9	
4.3"	25.5	
4.4"	26.1	
4.5"	26.8	

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

THICKNESS	ACFoam [®] CrossVent [®] Air Space Dimension			ACFoam [®] Nail Base
	1.0"	1.5"	2.0"	
	ASTM C1289-11			
1.0"	—	—	—	—
1.5"	—	—	—	6.3
2.0"	—	—	—	9.2
2.5"	5.7	—	—	12.0
3.0"	8.6	5.7	—	15.0
3.5"	11.4	8.6	5.7	*18.0
4.0"	14.4	11.4	8.6	*21.1
4.5"	*17.4	14.4	11.4	*24.2
5.0"	*20.5	*17.4	14.4	—
5.5"	*23.6	*20.5	*17.4	—
6.0"	—	*23.6	*20.5	—
6.5"	—	—	*23.6	—

*To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7" thick.

LTTR VALUE	ASTM C1289-11 ACFoam [®] -II, ACFoam [®] -III, ACFoam [®] -IV & ACFoam [®] Supreme	
	20	1 LAYER OF 1.5" ACFoam [®] + 1 LAYER OF 2.0" ACFoam [®]
25	2 LAYERS OF 2.2" ACFoam [®] (ACTUAL LTTR VALUE = 25.2)	
30	2 LAYERS OF 2.6" ACFoam [®] (ACTUAL LTTR VALUE = 30.0)	
35	2 LAYERS OF 3.1" ACFoam [®] (ACTUAL LTTR VALUE = 36.0)	
40	2 LAYERS OF 3.5" ACFoam [®] (ACTUAL LTTR VALUE = 41.0)	