

New LTTR-values for polyiso.

presented by

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R-value history

Polyurethane and polyisocyanurate insulation

- 1960-70s: ASTM C518
 - -R = 7.2 per inch
- 1980-90s: RIC/TIMA 281-1 and PIMA 101
 - -R = 6.6 per inch
- 1996: ASTM C1303 (LTTR)
- 2003: LTTR labeling (PIMA Quality Mark^{cm})
 - -LTTR = 6.0 per inch
- 2013: PIMA Quality Mark^{cm} update

MRCA

New minimum LTTR values

PIMA Quality Mark^{cm} program (minimum values)

Revised LTTR values			
Thickness (inches)	New LTTR values per inch thickness	New LTTR values per thickness	
1	5.6	5.6	
2	5.7	11.4	
3	5.8	17.4	
4	5.9	23.6	

"Tech today," Professional Roofing, August 2013

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Comparing existing vs. new LTTR values

Thickness	LTTR (2004 – 2013)	New LTTR (2014 –)
1 inch	6.0	5.6
1.5 inches	9.0	8.6
2 inches	12.1	11.4
3 inches	18.5	17.4
4 inches	25.0	23.6

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NRCA recommends designers specify polyisocyanurate insulation by thickness – not R-value or LTTR.

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