

# Sika Sarnafil

World Class Roofing and Waterproofing

## ROOFING TECHNICAL BULLETIN

#04-12

To: Authorized Roofing Applicators  
Sika Sarnafil Sales Staff & Sales Representatives  
Sika Sarnafil Regional Technical Staff  
Sika Sarnafil Customer Service Staff  
Sika Sarnafil Services Staff  
Roofing Consultants

From: Technical Service Department

Date: August 29, 2012

### Subject: Sarnatherm Roof Boards

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Sika Sarnafil has added three new high density polyisocyanurate Roof Board options to their existing Roof Board offerings: Sarnatherm Roof Board-A, Sarnatherm Roof Board-H and Sarnatherm Roof Board-M. Sarnatherm Roof Boards can be used with Sika Sarnafil mechanically-attached and adhered systems for new, re-cover, and re-roof applications. The following technical bulletin outlines the comparison of specifications and acceptable applications for the different Roof Boards offered.

- All roof board products can be used as cover boards over all insulations or smooth surfaces.\*  
\*(check in RoofNav for any specific FM RoofNav number)
- Sarnatherm-H Roof Boards may be used over any UL Classified polystyrene.
- Adhered applications over any polystyrene insulation, solvent based adhesives are not allowed.
- Roof Boards are approved at FM to be adhered with urethane foam insulation adhesives. The rating will be determined by the attachment of any underlying components and the urethane bead spacing between the underlying components and the cover board.
- See 2170 & 2170VC product data sheets for adhesive application rates. For 2121 applications contact Sika Sarnafil Technical Department.
- When used for re-covering an existing gravel BUR system, any 4'x4' or 4'x8' board shall be a min ½" thick.



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Specifications	Thickness	Size	Weight (psf)	R-Value	Compressive Strength (PSI)	Wind Uplift / # of Fasteners (1-90)*	Fire / Class A over NC
Sarnatherm Roof Board-A	1/2"	4'x4' & 4'x8'	0.5	2.5	>90	14	2:12
Sarnatherm Roof Board-H	1/2"	4'x8'	0.343	2.5	>100	16	2:12
Sarnatherm Roof Board-M	1/4"	4'x4' & 4'x8'	0.375	1	150	16	2:12
DensDeck Prime	1/4"	4'x4' & 4'x8'	1.2	0.28	900	12	5:12
	1/2"	4'x4' & 4'x8'	2	0.56	900	12	5:12
	5/8"	4'x4' & 4'x8'	2.6	0.67	900	8	5:12
Securock G-F	1/4"	4'x4' & 4'x8'	1.57	0.2	1800	16	5:12
	3/8"	4'x4' & 4'x8'	1.96	0.3	1800	12	5:12
	1/2"	4'x4' & 4'x8'	2.76	0.5	1800	8	5:12
	5/8"	4'x4' & 4'x8'	3.2	0.6	1800	8**	5:12
Sarnatherm Fanfold	3/8"	4'x50'	0.105	1.5	14	N/A	***

\*Wind uplift fastener values are for adhered applications

\*\*Assumed value

\*\*\*Maintains the existing rating on a re-cover low slope

Acceptable Applications	Hail Coverage	Décor	Solar PV	Vegetated	0-20 yr. Warranty	25-30 yr. Warranty	Re-cover*
Sarnatherm Roof Board-A			✓		✓		✓
Sarnatherm Roof Board-H			✓		✓		✓
Sarnatherm Roof Board-M			✓		✓		✓
DensDeck	✓	✓	✓	✓	✓	✓	✓
DensDeck Prime	✓	✓	✓	✓	✓	✓	✓
Securock G-F	✓	✓	✓		✓	✓	✓
Securock G-M	✓	✓	✓		✓	✓	✓
Sarnatherm Fanfold					✓		✓

\*Re-covering an existing gravel BUR system, any 4x4 or 4x8 board shall be a min 1/2" thick.

