

Kooltherm Purchasing Guide

EFFECTIVE: JANUARY 1, 2018





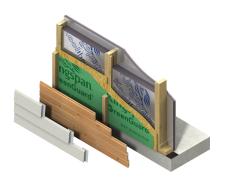


















Kingspan **Kool**therm® offers an extensive range of premium performance insulation products for wall, floor, soffit (structural ceiling) and concrete sandwich wall system applications. It has a fiber–free rigid thermoset phenolic insulation core that resists both moisture and water vapor ingress, and has excellent fire performance characteristics.

- Highest R-value per inch among any commonly used insulation
- Excellent fire and smoke performance

- Lower total construction cost
- Higher ROI on building design



K8 Cavity Board

- Partial fill cavity wall insulation
- R-value of 16 on 2 in
- NFPA 285 compliant; for non-combustible cladding; ASTM E 84 rating of 25/20 (flame-smoke)
- Resists sagging and moisture penetration



K10 FM Soffit Board

- Insulation for structural ceilings (soffits)
- R-value of 16 on 2 in
- FM approved for exposed use. Class 1 fire rating Class Number 4880
- Increased floor to ceiling clearances



K12 Framing Board

- Insulation for wood and steel framing systems
- R-value of 16 on 2 in
- NFPA 285 compliant; for non-combustible cladding; ASTM E 84 rating of 25/20 (flame-smoke)
- Low emissivity foil facings significantly increase thermal resistance of the cavity



K20 Concrete Sandwich Board

- High performance insulation for concrete sandwich wall systems
- R-value of 17 on 2 in
- ASTM E 84 rating of 5/5 (flame-smoke)
- Thinner pre-cast and tilt-up panels



Kooltherm Tape

- Reinforced for extra strength
- Effective vapor sealing
- Super strong pressure sensitive adhesion





(mm) 30 40 • 50 • 60 70 75 80 (10° FM Soffit Book Insulant Thickness (mm) 40 • 60 • (12° Framing Book Insulant Thickness (mm) 30 • 40 50 • 60 70 75 80 (20° Concrete Social Insulant Thickness (mm)	sulant Thickness (inch) 1.57 2.36	R-Value 9.5 12.5 16 19 22 24 25.5 R-Value 13 19.5 R-Value 9.5 12.5 16	Board Size 47.25" x 16" Board Size 47.25" x 89.37" 47.25" x 89.37" 47.25" x 96" 47.25" x 96"	16 12 10 8 6 6 6 6 8 Boards per Pack 8 5	Sq/Ft. per Pack 84.39 63.29 52.74 42.19 31.65 31.65 31.65 Sq/Ft. per Pack 234.57 146.60 Sq/Ft. per Pack 314.95 251.96
40 • 50 • 60 70 75 80 Close FM Soffit Book Insulant Thickness (mm) 40 • 60 • Close Framing Book Insulant Thickness (mm) 30 • 40 50 • 60 70 75 80 Close Concrete Social Insulant Thickness (mm)	1.57 1.97 2.46 2.76 2.95 3.15 pard sulant Thickness (inch) 1.57 2.36 sulant Thickness (inch) 1.18 1.57 1.97	12.5 16 19 22 24 25.5 R-Value 13 19.5 R-Value 9.5 12.5	47.25" x 16" Board Size 47.25" x 89.37" 47.25" x 89.37" Board Size 47.25" x 89.37"	12 10 8 6 6 6 6 6 8 5 Boards per Pack	63.29 52.74 42.19 31.65 31.65 31.65 Sq/Ft. per Pack 234.57 146.60
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70 75 80 C10° FM Soffit Bound Insulant Thickness (mm) 40 • 60 • C12° Framing Bound Insulant Thickness (mm) 30 • 40 50 • 60 70 75 80 C20° Concrete Southsulant Thickness (mm)	2.76 2.95 3.15 oard sulant Thickness (inch) 1.57 2.36 sulant Thickness (inch) 1.18 1.57 1.97	22 24 25.5 R-Value 13 19.5 R-Value 9.5 12.5	47.25" x 16" 47.25" x 16" 47.25" x 16" Board Size 47.25" x 89.37" 47.25" x 89.37" Board Size 47.25" x 96."	6 6 6 6 Boards per Pack 8 5	31.65 31.65 31.65 31.65 Sq/Ft. per Pack 234.57 146.60 Sq/Ft. per Pack 314.95
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Insulant Thickness (mm) 30 • 40 50 • 60 70 75 80 C20° Concrete Sc Insulant Thickness (mm)	isulant Thickness (inch) 1.18 1.57 1.97	R-Value 9.5 12.5	Board Size 47.25" x 96"	Boards per Pack	Sq/Ft. per Pack 314.95
(mm) 30 • 40 50 • 60 70 75 80 K20° Concrete Sco	isulant Thickness (inch) 1.18 1.57 1.97	9.5 12.5	47.25" x 96"	10	per Pack 314.95
50 • 60 70 75 80 K20° Concrete Sc Insulant Thickness (mm)	1.97		47.25" x 96"	8	251.96
40 50 • 60 70 75 80 K20° Concrete Sco	1.57 1.97	12.5			
50 • 60 70 75 80 K20° Concrete Sc Insulant Thickness (mm)	1.97		47.25" x 96"	8	251.96
60 70 75 80 K20° Concrete Sc Insulant Thickness (mm)		16		_	
70 75 80 K20° Concrete Sconsulant Thickness (mm)	2 46	10	47.25" x 96"	6	188.97
75 80 COncrete Sc Insulant Thickness (mm)		19	47.25" x 96"	5	157.48
K20° Concrete So Insulant Thickness (mm)	2.76	22	47.25" x 96"	4	125.98
K20° Concrete Sc Insulant Thickness Ir (mm)	2.95	24	47.25" x 96"	4	125.98
Insulant Thickness Ir (mm)	3.15	25.5	47.25" x 96"	4	125.98
(mm)	ındwich Board	l			
	sulant Thickness (inch)	R-Value	Board Size	Boards per Pack	Sq/Ft. per Pack
40	1.57	13.5	47.25" x 89.37"	8	234.57
50 •	1.97	16.5	47.25" x 89.37"	6	175.93
60	2.46	20	47.25" x 89.37"	5	146.60
70	2.76	23.5	47.25" x 89.37"	4	117.28
75 •	2.95	25	47.25" x 89.37"	4	117.28
80	3.15	26.5	47.25" x 89.37"	4	117.28
90	3.54	30	47.25" x 89.37"	3	87.96
100 •	3.94	33.5	47.25" x 89.37"	3	58.64
120	4.72	40	47.25" x 89.37"	2	58.64
	··· -			-	30.0 .
Kooltherm® Tape -	Reinforced Po	lyethylene Fo	oil Laminate Tape		

16

576

72 mm x 50 m •

Contact Details

USA

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