

List Of Approved Deck/Membrane Assemblies Acceptable To T. Clear Corp.

(See specifications for details)

Deck Type	Metal Deck	Monolithic Concrete	Panel Concrete	Wood Deck	Wood Fiber	Insulated Concrete	Existing System
Membranes	Fully-Adhered						
Fiberglass B.U.R.	Approved S-BA-3-AD	Approved C-BA-3-AD	Approved P-BA-3-AD	No	Approved F-BA-3-AD	No	No
Modified Bitumen	Approved S-MB-2-AD	Approved C-MB-1-AD	Approved P-MB-2-AD	No	Approved F-MB-2-AD	No	No
Single-Ply	Approved S-TS(P)-1-AD	Approved C-TS(P)-1-AD	Approved P-TS(P)-1-AD	No	Approved F-TS(P)-1-AD	No	No
	Mechanically Attached (T. Clear air barrier criteria must be incorporated)						
Fiberglass B.U.R.	Approved S-BA-3-MA	No	No	Approved W-BA-3-MA	Approved F-BA-3-MA	Approved I-BA-3-MA	Approved E-BA-3-MA
Modified Bitumen	Approved S-MB-2-MA	No	No	Approved W-MB-2-MA	Approved F-MB-2-MA	Approved I-MB-2-MA	Approved E-MB-2-MA
Single-Ply	Approved S-TS(P)-1-MA	No	No	Approved W-TS(P)-1-MA	Approved F-TS(P)-1-MA	Approved I-TS(P)-1-MA	Approved E-TS(P)-1-MA
	Loose-Laid (T. Clear air barrier criteria must be incorporated)						
Single-Ply	Approved S-TS(P)-1-LL	Approved C-MB-TS(P)-1-LL	Approved P-TS(P)-1-LL	Approved W-TS(P)-1-LL	Approved F-TS(P)-1-LL	Approved I-TS(P)-1-LL	Approved E-TS(P)-1-LL

ROOF MEMBRANE IDENTIFICATION CODES

Deck Type	Membrane Type	No. Plys	Means Of Attachment
S = Steel	BA = Asphalt BUR	1	MA = Mechanically-Attached
I = Insulated Concrete	BC = Coal Tar Pitch BUR	2	
G = Gypsum	MB = Modified Bitumen	3	AD = Adhered
W = Wood & Plywood	TS = Thermoset Membrane	4	LL = Loose-Laid
F = Wood Fiber	TP = Thermoplastic Membrane		
P = Pre-Cast Concrete	HA = Hot-Applied Liquid		
C = Concrete Poured			
E = Existing System			

Example: S = Steel, BA = Asphalt BUR, 3 = 3 Ply, AD = Adhered **S-BA-3-AD**

T. Clear Corporation 1-800-544-7398

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Tech Memo

LightGuard® Protected Membrane Roof Insulation Deck Requirements

Deck Requirements are found under the tab “Membrane Specifications” in paragraph Deck Conditions.

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Tech Memo

LightGuard® Protected Membrane Roof Insulation Air Barriers

All LIGHTGUARD® and HEAVYGUARD® Systems require an effective air barrier at the roof deck level. T. Clear Corp. Tech Note 20 (found in the Wind Design section) provides installation requirements for air barriers. or, consult T. Clear Corporation's Technical Services at 1-800-544-7398.

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Tech Memo

LightGuard® Protected Membrane Roof Insulation Below the Waterproofing Membrane

Tapered or flat stock insulation can be used below the waterproofing membrane; however, the T. Clear Warranty does not cover the performance replacement of insulation below the membrane. For low humidity facilities (interior conditions with less than 50% RH at 73 F in winter), Isocyanurate insulation, expanded bead insulation, and wood fiber and perlite based insulation are acceptable below the membrane. The insulation below the membrane may serve as the attachment for the air barrier. See the Warranty section for limitations.

Note: For Optimum Design Systems (high humidity applications), only extruded polystyrene can be used below the membrane.

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