

DECK

REQUIREMENTS & SPECIFICATION GUIDE & ROOF

This chart outlines the structural deck surface preparation requirements and roof specification requirements that are necessary for the successful application of a Hyload warranted roofing system. See individual guide specification page for warranty type/duration's.

		HYLOAD ROOFING SPECIFICATIONS		
Structural Deck Type	Ref. Notes	Apply Hyload to	H150E	HyloadWS
Metal	I	Deck	N/A	N/A
		Insulation	1,5,C,E	1,5,C,F
Poured Concrete		Deck	1,6,7,E	1,6,F
		Insulation	1,6,7,C,E	1,6,C,F
Precast Concrete		Deck	N/A	N/A
		Insulation	1,2,6,C,E	1,2,6,C,F
Lt. Wt. Insulation Concrete/ Poured Gypsum		Deck	1,3,B,E	1,3,B,F
		Insulation	1,3,B,C,E	1,3,B,C,F
Wood Plank / Plywood	II	Deck	1,4,A,B,E	1,4,A,B,F
		Insulation	1,4,A,B,C,E	1,4,A,B,C,F
Precast Gypsum		Deck	1,2,B,E	1,2,B,F
		Insulation	1,2,B,C,E	1,2,B,C,F
Structural Wood Fiber	III	Deck	1,B,E	1,B,F
		Insulation	1,B,C,D,E	1,B,C,D,F

* Deck requirements are NUMBERS and roof specification requirements are LETTERS. These designations are in sequence of application.

* NOTES below are also a part of the Deck Requirements and Roof Specifications Guide

* Certain insulation types and/or combinations may be required for Hyload warranted applications on encapsulated systems

* SEE OTHER SIDE FOR DETAILED INFORMATION.

Deck Requirements

1. Smooth, dry, solid and properly anchored.
2. Joints and welded plates, where used, must be grouted with cementitious or gypsum grout feathered to provide a smooth gradual transition between adjacent panels. Additionally, an 8" (203mm) wide (min.) felt stripping must be centered on joint and set in troweling of asphaltic cement.
3. Substrate must vent moisture to the underside.
4. Lumber must be 1" (25mm) nominal thickness and plywood a minimum of 15/32" (13mm) thickness.
5. Metal deck must have the first layer of board type insulation mechanically attached or set in HyBond Insulation Adhesive prior to the application of the roofing system. Contact Hyload's Technical Department on decks lighter than 22 gauge (.075mm).
6. Prime deck surface with suitable primer when adequate adhesion cannot be obtained. Concrete decks to receive hot asphalt must be primed with an approved primer.
7. Install vented base sheet in accordance with manufacture's recommendations.

HYLOAD
ROOFING SYSTEMS

HYLOAD, INC.

9976 RITTMAN RD., WADSWORTH, OH 44281
PH: 800 457 4056 FAX: 330 336 5512

DECK & ROOF

Roof Specifications

- A. Install one (1) layer of red rosin sheeting paper end and side lapped 2" (51mm) and secured to the wood deck by occasional nailing.
- B. Apply over entire surface one (1) ply of base sheet lapping each sheet 3" (76mm) over preceding sheet and nailing at lap no less than 9" (229mm) on center. End laps shall be 6" (152mm). Nail heads and/or metal caps must be a minimum diameter of one (1) inch (25mm). (Approximately 100 nails per 100 sq.ft. [9.3m cubed]).
- C. Install approved roof insulation board. For metal decks mechanically fasten or use HyBond Insulation Adhesive. For all other applications use Type III or IV asphalt. Overlay insulation boards may also be set in Type III or IV asphalt or HyBond Insulation Adhesive.
- D. First ply of system must be one (1) ply of base sheet set in a solid mopping of Type III or IV asphalt or one (1) ply of a Hyload self-adhered underlayment membrane.
- E. Complete the system in accordance with specification for H150E.
- F. Complete the system in accordance with specification for Hyload WS.

Reference Notes

- I. For acoustical metal decks, an underlayment of asphalt saturated organic felt (ASTM D226) or a red rosin sheeting paper must be applied with 2" (51mm) end and side laps. A layer of insulation must then be mechanically attached to the deck.
- II. When roof insulation is specified to be mechanically attached to a wood deck, the base sheet may be eliminated from beneath the insulation. However, the red rosin sheeting paper is required as an underlayment beneath the insulation (it may be omitted for Hyload WS applications).
- III. For structural wood fiber decks, when two (2) layers of insulation are used and the top layer has staggered joints and is embedded in Type III or IV asphalt or HyBond Insulation Adhesive the base sheet is not required as the first ply of the roofing membrane specification. However, one (1) ply base sheet in Type III or IV asphalt is still required beneath the insulation.
- IV. For specific data on insulation, contact your Hyload Sales Specialist at 1 800 457 4056.
- V. Vapor retarders are not a part of these roofing specification. For specific information on the acceptable types and application procedures, contact your Hyload Sales Specialist at 1 800 457 4056. (See option below)
- VI. For thermosetting asphaltic fills, contact your Hyload Sales Specialist at 1 800 457 4056.
- VII. One (1) square equals 100 sq.ft. (9.3mm cubed) of roof area.
- VIII. N/A means Not Applicable.
- IX. Dimensions noted in this section are approximate.
- X. For information on UL, FM or Code Compliance, contact your Hyload Sales Specialist at 1 800 457 4056.

OPTION: HyBase SAM VR or HyBase SAM VRWS (welded seam) can be used as vapor retarders with any Hyload roofing specification.

CONTACT HYLOAD'S TECHNICAL DEPARTMENT FOR COMPLETE DETAILED APPLICATION INSTRUCTIONS FOR ROOF MEMBRANES AND FLASHINGS.