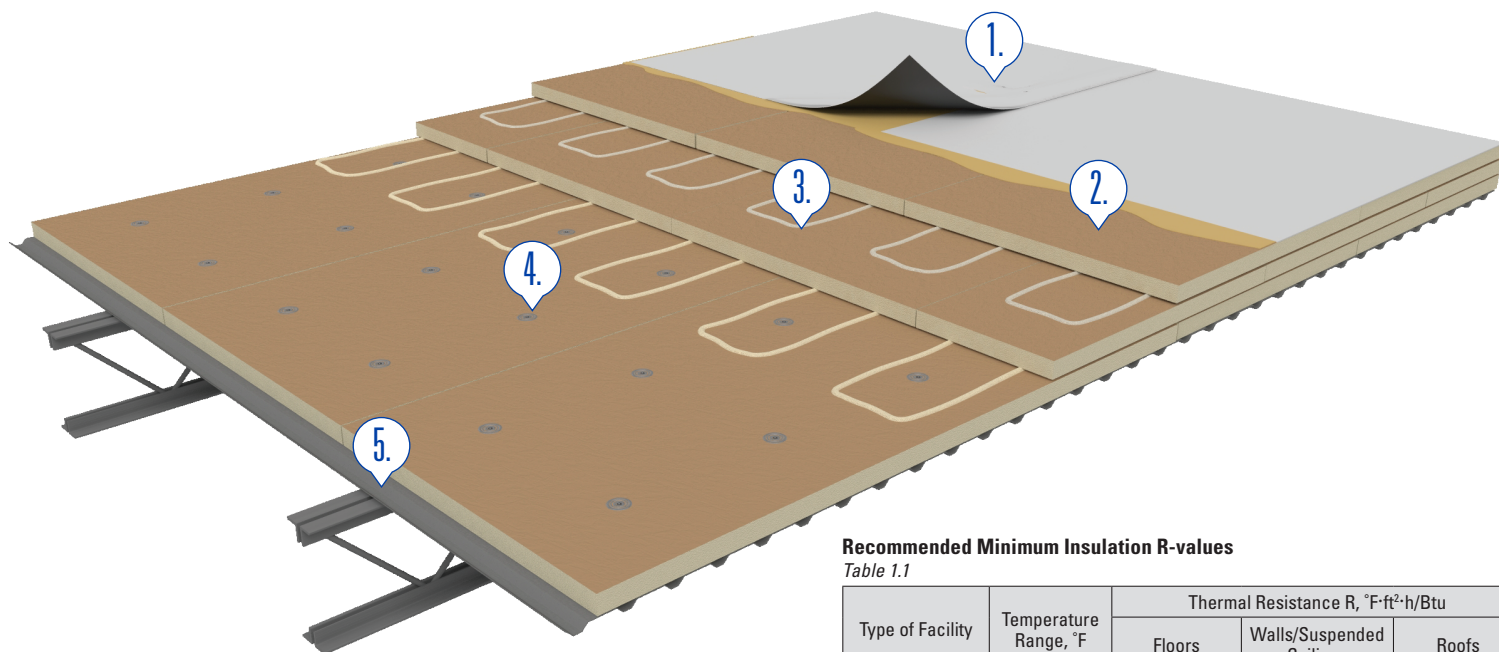


## JM COLD STORAGE THERMOPLASTIC ASSEMBLY PLATES



### Recommended Minimum Insulation R-values

Table 1.1

Type of Facility	Temperature Range, °F	Thermal Resistance R, °F-ft <sup>2</sup> -h/Btu		
		Floors	Walls/Suspended Ceilings	Roofs
Coolers	40 to 50	Perimeter only	25	30
Chill coolers	25 to 35	20	25	35
Holding freezer	-10 to -20	27	35	45
Blast freezer	-40 to -50	30	45	50

(ASHRAE, 2018)

1. JM TPO – 80 mil, adhered in JM Membrane Bonding Adhesive (TPO & EPDM), JM LVOC Membrane Adhesive, JM TPO Water Base or JM All Season Sprayable Bonding Adhesive.  
or  
JM PVC - 80 mil, adhered in JM PVC Water Base Membrane Adhesive, JM PVC Low VOC Membrane Adhesive, or JM PVC All Season Sprayable Bonding Adhesive.
2. ENRGY 3<sup>®</sup> Insulation in JM Roofing System Urethane Adhesive or JM Two-Part Urethane Insulation Adhesive.
3. ENRGY 3<sup>®</sup> Insulation in JM Roofing System Urethane Adhesive or JM Two-Part Urethane Insulation Adhesive.
4. ENRGY 3<sup>®</sup> Insulation mechanically fastened.
5. Steel Deck.

*Cold Storage details must be used at the perimeter and at all penetrations.*