



Poly ISO 1-HD80

Cover Board

PRODUCT DATA SHEET

DESCRIPTION

Mule-Hide Poly ISO 1-HD80 is a ½" thick, high-density polyisocyanurate insulation board that was specifically designed for use as a cover board with mechanically attached and induction welded single-ply roofing systems only. Suitable for use with approved fasteners and plates. This product consists of a closed-cell polyisocyanurate foam. In addition to providing a durable underlayment for roofing membranes, Poly ISO 1-HD80 has an R-value of 2.5 which is significantly higher than that of other cover board products such as wood fiber or gypsum.

BENEFITS AND SUPPLEMENTAL STATEMENTS

- High-density insulating cover board with standard black facer
- 80 psi compressive strength
- Exceptional protection against hail and rooftop traffic
- Higher R-value than wood fiber and gypsum cover boards (2.5 R per ½")
- For use on mechanically attached and induction welded single-ply roofing systems only
- Contains no CFCs, HCFCs, has zero ODP, EPA Compliant and has virtually no GWP
- Suitable for both new construction and reroofing applications

PACKAGING

- 4'x8' Panels - 48 pieces
- 4'x4' Panels - 96 pieces

Factory-applied packaging is only intended for protection during transit. When stored outside or at the job site, the insulation must be stored at least 4" above ground level and completely covered with a weatherproof covering such as a tarpaulin. **Warning - Do Not Leave Exposed:** Product must be protected from open flame and kept dry at all times. Install only as much insulation that can be covered the same day by the roofing system.

CODE APPROVALS/COMPLIANCE

- ASTM C1289, Type II, Class 1, Grade 3 (25 psi min)
- International Building Code (IBC) Section 2603
- UL Standard 790, 263 and 1256: Component of Class A Roof Systems (refer to UL Roof Materials' system directory)
- FM® Standards 4450/4470: Class 1 approval for steel roof-deck constructions (refer to FM RoofNavSM)
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1418
- Third-party certification with the PIMA Quality Mark for Long-Term Thermal Resistance (LTTR) values
- CAN/ULC 5704, Type 2 & 3, Class 3

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Result
Dimensional Stability	ASTM D2126	2% Linear Change (7 days)
Compressive Strength	ASTM D1621	Grade 3 (80 psi max)
Water Absorption	ASTM C1763	< 3% By Volume
Water Vapor Permeance	ASTM E96	< 1.5 perms
R-Value at 1/2" (13mm)	ASTM C518	2.5

The physical properties above are presented as typical average values as determined by accepted ASTM test methods and are subject to change. All information can be confirmed by contacting Mule-Hide Products.

*Meets the requirements of the IBC code. For specific Flame Spread or Smoke Developed Ratings, please contact the Mule-Hide Technical Department.

INSTALLATION INSTRUCTIONS

General

All boards must be tightly fitted together to prevent movement, separation or damage during the installation of the membrane system. All gaps greater than 1/4" must be filled.

Mechanically Attached Single-Ply Membrane Systems

Mule-Hide Poly ISO 1-HD80 should be attached with Mule-Hide fasteners and insulation plates (or FM Approved fasteners) using a minimum of 4 fasteners per 4'x4' board (1 fastener per 4 square feet) and a minimum of 6 fasteners per 4'x8' board (1 fastener per 5.33 square feet). Refer to the Mule-Hide Manual for proper fastener placement.

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material. This product may be eligible for a Mule-Hide warranty, please check the Mule-Hide website at www.mulehide.com or contact Mule-Hide directly at 800-786-1492 for details. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the alleged failure before repairs are made.