



DIVISION 7 Thermal and Moisture Protection SECTION 07210 – BUILDING INSULATION

dP Shield Polyiso Insulating Sheathing Panels for Cavity Walls Specification

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Rigid board type wall insulation(s) for thermal protection as part of wall assemblies.
- B. Related Sections:
 - 1. Section 06100: Rough Carpentry (framing).

1.02 REFERENCES

- A. Refer to specific products for applicable standards and specifications of the following organizations/agencies:
 - 1. American Society for Testing and Materials (ASTM).
 - 2. Federal Specifications (FS).
 - 3. Factory Mutual (FM).

1.03 SUBMITTALS

- A. Comply with submittal procedures specified in Section 01330.
- B. Product data: Manufacturer's specifications and installation instructions for polyiso foam core insulation board and fasteners.
- C. Samples:
 - 1. Submit 5 inch x 9 inch sample(s) of each board type required.
 - 2. Submit sample(s) of each fastener type required.
- D. Shop drawings: Wall framing design plan and fastening patterns.
- E. Certificates: Manufacturer's certification that materials meet specification requirements.

1.04 QUALITY ASSURANCE

- A. Regulatory Requirements:
 - 1. American Society for Testing and Materials (ASTM).
 - 2. Federal Specifications (FS).
 - 3. Factory Mutual (FM).
 - 4. Metro-Dade County, Florida Product Control.
 - 5. California State Insulation Quality Standards and Title 25 Foam Flammability Criteria.
 - 6. IBC, BOCA, ICBO and SBCCI Sections on Foam Insulation.
 - 7. Canadian Compliance: CAN/ULC -S704, CGSB -51.33-M89/CGSB -51.26-M86

1.05 DELIVERY, STORAGE AND HANDLING

- A. Comply with general requirements specified in Section 01650.

- B. Deliver insulation in packages labeled with material name, thermal value and product code.
- C. When stored outdoors, stack insulation on pallets above ground and cover with tarpaulin or other suitable waterproof coverings. Slit or remove manufacturer's original packaging before covering with the jobsite waterproof covering, to prevent condensation accumulation.

1.06 PROJECT CONDITIONS

- A. Comply with building code and / or insurance underwriter's requirements applicable for products of this Section.
- B. Do not install insulation when insulation and / or framing is wet.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. Provide polyiso insulating sheathing products as manufactured by Atlas Roofing Corporation, and distributed by:

Dyplast Products, LLC
12501 38th Avenue NW
Miami, FL 33054
800-433-5551
Fax 305-687-8013
info@dyplastproducts.com
www.dyplastproducts.com

2.02 MATERIALS

- A. dPSHield: Closed -cell polyisocyanurate foam core manufactured using patented, ACUltra hydrocarbon blowing technology and integrally laminated to tri -lamine foil or foil facers; ASTM C1289, Type I, Class 1

- B. Insulation Long-Term "R" Value: _____ Determined in accordance with CAN/ULC - S770/LTTR.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine framing for suitability to receive insulation. Verify that substrate is dry, straight, clean and free of foreign material that will damage insulation or impede installation.
 1. Start of installation indicates installer accepts conditions of existing framing surfaces.

3.02 APPLICATION / INSTALLATION

- A. Install specified wall insulation panels using approved [mechanical fasteners] [adhesives] in accordance with manufacturer's latest written instructions and as required by governing codes and Owner's Design Professional.
- B. Install with tight board to board joints to assure proper edge contact and thermal performance.

3.03 CLEANING / PROTECTION

- A. Remove trash and construction debris from insulation and / or framing surfaces prior to application.
- B. Do not leave installed insulation exposed to weather, long term. Cover within 60 days after installation
 - 1. Remove and replace installed insulation that has become damaged, with new insulation.
 - 2. Allow wet insulation to air dry prior to installing the wall cladding

END OF SECTION