

**STYROFOAM™ Brand Extruded Polystyrene Insulation**

STYROFOAM™ Brand XPS Rigid Insulation

Dow Sustainability Commitment

Dow has a long history of leadership in sustainability and energy efficiency. Dow has sustainability goals for operations, manufacturing, and energy generation which results in mutually beneficial reduction of costs and greenhouse gas emissions. Dow products contribute to a sustainable energy future by helping to improve the efficiency of virtually every major industry, including transportation and construction.

Purpose

This product transparency report is intended to summarize the environmental performance and chemistry attributes associated to STYROFOAM Brand XPS Insulation to use for obtaining LEED v4 credits.

Product Ingredient Reporting

Meets the requirements of MR Credit: Building Disclosures and Optimization – Material Ingredients – Option 1.

The following table represents the ingredients that are in this product at concentrations of at least 1,000 ppm (0.1%).

Disclosure: All product ingredients known or reported (by a supplier) to be present in a concentration of at least 0.1% (1,000 ppm) or lower concentrations if required by OSHA hazard communications are set forth in the product ingredient table. The CASRN (Chemical Abstract Services Registration Number) is listed for reference.

*Not all components are found in all STYOFOAM Brand XPS Insulation products.

Material Name	CAS Number	Role
2-Propenenitrile, polymer with ethenylbenzene	9003-54-7	Insulation
1,1,1,2-Tetrafluoroethane	811-97-2	Blowing Agent
Styrene, polymers	9003-53-6	Insulation
Carbon Black	1333-86-4	Thermal resistance
Graphite	7782-42-5	Thermal resistance
Hexabromocyclododecane (HBCD) ¹	3194-55-6, 25637-99-4	Flame Retardant
Blue Colorant	147-14-8	Colorant
CO ₂	124-38-9	Blowing agent
H ₂ O		Blowing agent

¹ HBCD is listed as a Persistent Organic Pollutant (POP) under the Stockholm Convention since November 2014.

Option B: PS Foam Articles containing HBCD are to be identified throughout the product lifecycle and comply with the provisions of local waste regulations.



PRODUCT TRANSPARENCY REPORT | UNITED STATES

Additional Sustainability Data

Corporate Sustainability Report

<http://www.dow.com/en-us/science-and-sustainability>

Low VOC Emissions

Building Material is tested and determined compliant in accordance with California Department of Public Health (CDPH) v1.1 – 2010.

Environmental Product Declaration

UL Environment EPD:

<https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32737/671247/STYROFOAM-INSULATION?st=1&sl=42397748&crit=RG93IEJ1bGRpbmcgU29sdXRpb25zID4gRW52aXJvbm1lbnRhbCBQcm9kdWN0IERIY2xhcmF0aW9u&ss=2>

Renewable Energy

100 percent renewable electricity procurement in North America for STYROFOAM Brand XPS Insulation in 2016.

Recycled Content (pre-consumer)

UL Environment Certification for 20% Pre-consumer Recycled Content depending on thickness and facer

STYROFOAM™ Brand Extruded Polystyrene (XPS) Insulation solutions make it easier to achieve continuous insulation in homes and buildings and boast innovative performance attributes helping achieve greater energy efficiency and long term performance. Also achieved in 2016, STYROFOAM Brand XPS Insulation is produced using 100% clean power procurement. All Dow Building Solutions insulation products continue to conserve energy through the life of the building with no additional maintenance during their use.

In the United States The Dow Chemical Company 200 Larkin Center Midland, MI 48674	In Canada Dow Chemical Canada ULC 215 -2 Street S.W. Suite 2400 Calgary, Alberta T2P 1M4	For Technical Information 1-866-583-BLUE (2583) (English) 1-800-363-6210 (French)	www.dow.com/building
		For Sales Information: 1-800-232-2436 (English) 1-800-565-1255 (French)	

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CAUTION: This product is combustible and shall only be used as specified by the local building code with respect to flame spread classification and to the use of a suitable thermal barrier. For more information, consult (Material Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583), or contact your local building inspector. In an emergency, call 1-989-636-4400.

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Isolant de polystyrène extrudé de marque STYROFOAMMC

MISE EN GARDE: Ce produit est combustible. Le protéger des sources de chaleur intense. Les codes du bâtiment peuvent exiger une barrière protectrice ou thermique. Pour plus de renseignements, consulter la fiche signalétique (FS), du produit, appeler Dow au 1-800-363-6210 ou consulter votre inspecteur en bâtiment. En cas d'urgence, appeler au 1-519-339-3711.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product. Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

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