

Pro-Tech Spray Polyurethane Foam Technical Data Sheet



Overview

Pro-Tech Urethane P-2.8 is a two-part system designed for roofing applications where the compressive strength (55 psi) provides a greater resistance to foams of lower density. Pro-Tech Urethane P-2.8 has been formulated with HFC 245 FA as the blowing agent.

Properties	Test Method	Typical Value
Nominal Density (in place)	ASTM D1622	3.2 lbs. per cubic foot
Nominal Density (Core)	ASTM D1622	2.8 lbs. per cubic foot
Compressive Strength	ASTM D1621	55 psi
Tensile Strength	ASTM D1623	60 psi
Closed Cell Content	ASTM D2856	> 93%
R Value	ASTM C518	6.3 @ 1"; 9.8 @ 1.5"; 13.4 @ 2"; 27.4 @ 4"
Moisture Vapor Transmission	ASTM E96	0.92 perm. inch
Maximum Service Temperature		180°F
Flammability	ASTM E84	2 in Flame Spread < 75

Note: The above values are average values obtained from a lab and should serve only as a guide.

Maintenance:

Periodic maintenance of Pro-Tech Products coating and roofing systems ensures extended performance and reduces life cycle costs.

Technical Services:

Additional information, product brochures and guide specifications are available. Customized application instructions are also available from our technical experts.

Installation

-Power broom and vacuum all loose gravel, dirt and other foreign objects from the roof's surface.

-Examine roof for areas where cold applied materials may have been used. Remove these materials from any areas that have been applied in excessive amount or still remain tacky.

-Cut out all blistered areas, de-laminated areas and damaged or wet roof insulation prior to the application of new materials.

-Metal surfaces to be spray foamed shall be of dust, loose scale, rust, dirt, grease, oil or any other contaminant.

-Prime Roof surfaces, if appropriate, with Pro-Tech Acrylic Prime roof primer at the rate of ¼ to 1/3 gallons per 100 square feet.

-Mask all areas on the immediate roof and all adjacent areas that are intended to remain uncoated. Mask all edges to ensure straight and neat edges and terminations.

-If necessary, air conditioners and other roof mounted mechanical equipment shall be raised to access and thoroughly foam and coat the roof underneath. A 24" minimum access is required to correctly address these areas. Any deterioration of sleepers, frames, seals, gaskets or pans will require replacement.

-For application details, see specific Guide Specifications.

Ratings:



Report no. ESR-2355; Inspection Agency: UL LLC



As to an external fire; exposure only. 13 PK