TECHNICAL DATA SHEET

PLSPOL 130 PRO Open Cell

PLSPOL 130 PRO Open Cell is a two component, light density, one to one by volume spray-applied polyurethane foam. PLSPOL 130 PRO Open Cell is an insulation system designed for use in commercial and residential applications. Use in lieu of more traditional forms of insulating materials such as fiberglass, cellulose or other loose fill products. Typical area's where PLSPOL 130 PRO Open Cell is applied are exterior and interior walls, vented attics, un-vented attic assemblies and between floors. PLSPOL 130 PRO Open Cell has been formulated using water as the only foaming agent and is free of ethoxylated nonylphenol.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PLSPOL 130	TEST
R-Value	3.7 @ 1" 13 @ 3.5"	ASTM C 518
Core Density	0.50 LB/ Cubic Foot	ASTM D 1622
Open Cell Content	> 80 %	ASTM D 2856
Water Vapor Transmission - Permeance	21 perms @ 1"	ASTM E 96
Air Impermeable	< 0.02 (L/s-m2) @ 3.5"	ASTM E 283
Tensile Strength (PSI)	> 3.0 psi	ASTM D 1623
Dimensional Stability	< 15%	ASTM D 2126

Fire Test Data		
Evaluation Service Report	EUROLAB	
Building Types	Approved	I, II, III, IV, V-B: Nonstructural Insulation material
Flame Spread	ASTM E84	Class I < 25
Smoke Development	ASTM E84	Class I < 450

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THERMAL BARRIER: Current International Building Code (IBC) and International Residential Code (IRC) require that spray polyurethane foam be separated from the building interior by a code prescribed 15-minute thermal barrier or a code-approved alternative. Gypsum board at a minimum thickness of ½" is a code prescribed 15-minute thermal barrier. The following intumescent coatings when installed per manufacturer specifications are approved as thermal barrier alternatives for PLSPOL 130 PRO Open Cell:

GENERAL PROPERTIES: PLSPOL 130 PRO Open Cell is a low viscosity, 0.5 pcf density open cell insulating material. It is designed to provide significant control of air infiltration along with a high R-value per inch. When properly installed by a professional application company PLSPOL 130 PRO Open Cell quickly expands to fill the cracks, crevices, gaps and voids that exist in every structure. In addition, PLSPOL 130 PRO Open Cell will conform to the curves, irregular surfaces and spaces to form a superior thermal envelope around your entire structure.

EQUIPMENT AND COMPONENT RATIOS: The mix ratio is 1 to 1 by volume. The pre-heater temperatures should be set between 115°F - 140°F and able to maintain +/- 5°F.

VAPOR RETARDER: Open cell foam insulation is vapor permeable and will allow some dillusion of moisture through the product. Consult local building code officials for specific requirements. Climate zone tables are available in current IBC and IRC publications.

APPLICATION GUIDELINES: Polyurethane foam systems should be processed through commercially available spray equipment designed for that purpose by a qualified professional applicator. Consult the current Carlisle Spray Foam Insulation application guidelines for PLSPOL 130 PRO Open Cell prior to installation. It is the responsibility of the professional applicator to thoroughly understand all equipment technical information and safe operating procedures that pertain to a spray polyurethane foam application.

MATERIAL HANDLING: Due to the reactive nature of these components respiratory protection is mandatory. The vapors and liquid aerosols present during application and for a short period thereafter must be considered – and appropriate protective measures taken – to minimize potential risks from overexposure through inhalation, skin, or eye contact. These protective measures include adequate ventilation, safety training for installers and other workers,
use of appropriate personal protective equipment, and a medical surveillance program. It is imperative that the applicator read and become familiar with all available information on proper use and handling of spray polyurethane foam. Additional information is available at www.plutusticaret.com

PROPER STORAGE OF RAW MATERIALS: Shelf life is Six (6) months from date of manufacture when stored indoors, in the original unopened containers and between the temperatures of 50°-80°F.

TECHNICAL ASSISTANCE: For additional assistance please contact the Technical Services department of PLUTUS..

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