



PRODUCT DESCRIPTION

PCF 221-4-Class I is a two-component polyurethane foam system developed for Class I applications with HFO coblown with water foam. The specs specify a foam formed by the reaction of an isocyanate with a polyhydroxy compound (per ASTM C1029-02).

APPLICATIONS

This system exhibits excellent flow ability and dimensional stability for pour-in-place applications such as panel manufacturing. This product can be used as a spray through the spray machine one to one by volume

STORAGE AND HANDLING

Containers for both A and B components should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Side B may be stored at ambient temperatures. Storage for Side A should be maintained between 77°F (25°C) and 95°F (35°C). An additional note of caution is that exposure to temperatures over 200°F (102°C) can create excessive pressure potentially causing containers to rupture. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to vapors of heated MDI can be dangerous. To heat product properly, use well ventilated convection ovens or other methods that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

HEALTH AND SAFETY

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. material safety data sheets and product labels. To obtain this information, contact yours Polycoat Products representative.

TYPICAL PROPERTIES SIDE-A (ISO)

Viscosity @ 77°F (25°C)	200-250 MPa
Lbs/gal	10.33
Specific Gravity @ 77°F (25°C)	1.24
Appearance @ 77°F (25°C)	liquid

TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)

Viscosity @ 77°F (25°C)	700-900 MPa
Lbs/gal	9.83
Specific Gravity @ 77°F (25°C)	1.13
Appearance @ 77°F (25°C)	viscous liquid

TYPICAL PHYSICAL PROPERTIES

Density, ASTM D1638	3.7-4.0 pcf
Compressive Strength, ASTM D1621	110 psi
Tensile Strength, ASTM D1623	120 psi
K-factor Initial, btu in./hr ft²F°, ASTM C518	.22
K-factor Final, btu in./hr ft²F°, ASTM C518	.27
Closed Cell Content, ASTM D1940	>88%
Flame Spread, ASTM E84	10
Smoke, ASTM E84	300
Dimensional Stability, 200F° (93°C)/Ambient RH 28 days, D2126	0.5%
-20F°/Ambient RH 28 days, D2126	0%

PROCESSING CHARACTERISTICS

Ratio, By WT A/B	50/50
Cream Time	40-45 seconds
Rise Time	150-200 seconds
Tack Free Time	120-180 minutes



Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

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