POLYCOAT PRODUCTS
A Division of American Polymers Corp.

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PRODUCT DATA SHEET

PCF 221-N-6-45S

Rigid Polyurethane Foam System

Typical Properties PCF 221-N-6 A-Comp (ISO)

Viscosity, mPa·s @ 25°C:	200-250
Lbs/gal	10.33
Specific Gravity @ 25°C :	1.24
Appearance @ 25°C:	liquid

Typical Properties PCF 221-N-6 B-Comp (polyol blend)

Viscosity, mPa·s @ 25°C:	1000-1200
Lbs/gal	9.83
Specific Gravity @ 25°C :	1.13
Appearance @ 25°C:	viscous liquid

Typical Physical Properties		
Density, pcf	ASTM D-1638	4.8-5.2
Compressive Strength, psi	ASTM D-1621	150
Tensile strength, psi	ASTM D-1623	170
K-factor initial, btu in./hr ft²F°	ASTM-C-518	.18
K-factor final, btu in./hr ft²F°	ASTM C-518	.23
Closed Cell Content	ASTM D-1940	>90%
Flame Spread	ASTM E-84	10
Smoke	ASTM E-84	300
Dimensional Stability, 200F°/Ambient RH 28 days	D-2126	0.4%
-20F°/Ambient RH 28 days	D-2126	0%

Processing Characteristics @ 74 ° F		
Ratio, By weight A/B		50/50
Cream Time	Sec	40-50
Rise Time	Sec.	120-180
Tack Free Time	Sec	100-150

Product Description:

PCF 221-N-6 is a two-component polyurethane foam system developed for Class I applications. This system exhibits excellent flowability and dimensional stability for pour-in-place applications such as panel manufacturing. This product does not contains CFC blowing agent.

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. Component B may be stored at ambient temperatures. Storage for Component 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 400°F (204°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 Information:

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 your Polycoat Products representative.