



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

GREATER LOS ANGELES-14722 Spring Avenue - Santa Fe Springs, CA 90670
DALLAS / FT.WORTH METROPLEX-2100 Reliance Parkway - Bedford, TX 76021

Tel: (562) 802-8834
Fax: (562) 921-7363

www.Polycoat.com

PRODUCT DATA SHEET

PSF 323-N-4-W-NATURAL

Spray Foam

Typical Properties PSF323-N-4 A-COMP (ISO)

Viscosity, mPa-s @ 25°C: 150-250
Specific Gravity @ 25°C : 1.24
Appearance @ 25°C: liquid

Typical Properties PSF 323-N-4 B-COMP(polyol blend)

Viscosity, mPa-s @ 25°C: 600-900
Specific Gravity @ 25°C : 1.14
Appearance @ 25°C: Viscous liquid

Product Description:

PSF 323-N-4 is a two-component polyurethane spray foam system developed for Class I applications. This system exhibits excellent flow ability and dimensional stability for spray in place applications such as panel manufacturing. This product does not contain HCF 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). For best results, this product should not be allowed to freeze, although it may be re-heated in a well ventilated oven for a period of time to re-liquefy solid particles. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°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 representative.

Typical Physical Properties @ 74 ° F		
Cream Time	Seconds	2-3
Rise Time	Seconds	9-12
Density	Lb/cubic foot	4.0
Compressive Strength, parallel	Psi	50
Tensile Strength	psi	65
Closed cell content	%	>90%
K-Factor initial,	Btu in./hr ft ² F°	.132
K-factor, aged	Btu in./hr ft ² F°	.172
Dimensional stability, 160F ambient RH	28 days	2.0
Dimensional stability, 160F 100% RH	28 days	5.0
Dimensional stability, -20F ambient RH	28 days	1.0
Water absorption (ASTM 2842)	Gm/cc	.015
Water vapor transmission	Perms	1.2
Flame spread ASTM E-84		20
Smoke ASTM E-84		220

Processing Characteristics		
Mix ratio by Volume A/B		50/50



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