



**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](http://www.Polycoat.com)

## ***TECHNICAL DATA SHEET***

## **PSF 315-N-3 SPRAY FOAM**

**PRODUCT DESCRIPTION:** PSF 315-N-3 is a sprayable polyurethane foam system developed specifically for high temperature applications. It is available in 2.5 pounds per cubic foot through 10 pound per cubic foot densities and is designed for ease of application. While exhibiting resistance to temperatures up to 300° F, it can be processed like any other spray foam rather than an isocyanurate system. It does not go through a friable stage and its adhesion to most substrates is good.

**APPLICATIONS:** PSF 315-N-3 is recommended for thermal insulation of tanks and pipes where resistance to heat distortion is required.

### **CHEMICAL PROPERTIES:**

PROPERTY	TEST	RESULTS	
	METHOD	COMP "A"	COMP "B"
Viscosity cps. @74 °F	ASTM D-2196		200-250      800-1000
Specific Gravity @74 °F	ASTM D-1638		1.24            1.14
Weight Per Gallon			10.33           9.54

### **REACTIVITY PROFILE**

Cream Time, Sec. @74° F	4 - 6
Rise Time, Sec. @ 74° F	18 - 25
Tack Free Time, Sec @ 74° F	15 - 20



**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

**PHYSICAL PROPERTIES:**

**PSF 315-N-3:**

PROPERTY	TEST		RESULTS
	METHOD		
DENSITY	ASTM D -1622		3-/+ .2
COMPRESSIVE STRENGTH			
PARALLEL	ASTM D -1621		65
PERPENDICULAR			35
TENSILE STRENGTH	ASTM D - 1623		
PARALLEL			86
PERPENDICULAR			46

**PHYSICAL PROPERTIES CONT.**

PROPERTY	TEST		RESULTS
	METHOD		
K FACTOR INITIAL btu in./hr. Ft <sup>2</sup> °F	ASTM C -518		.16
K FACTOR AGED btu in./hr. Ft <sup>2</sup> °F	ASTM C -518		.172
CLOSED CELL CONTENT	ASTM D -2856		89
DIMENSIONAL STABILITY 120° F/100% RH	1 Day	ASTM D -2126	1.2%
	2 Days		+5%
VOLUME CHANGE AND WEIGHT LOSS AT 275° F HEAT EXPOSURE	ASTM C-591	VOLUME CHANGE %	WEIGHT LOSS %
AFTER 1 HOUR PLUS		+1.8	-1.9
AFTER 24 HOURS		+3.4	-2.9
AFTER 48 HOURS		+6.5	-3.4
AFTER 72 HOURS		+7.7	-3.9
AFTER 96 HOURS		+9.6	-4.6
AFTER 120 HOURS		+10.3	-5.9



# **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](http://www.Polycoat.com)

## **STORAGE:**

### **COMPONENT A (ISOCYANATE)**

THE ISOCYANATE MUST BE STORED IN TIGHTLY SEALED CONTAINERS AND PROTECTED FROM MOISTURE. THE MATERIAL SHOULD BE STORED AT TEMPERATURES BETWEEN 65 AND 75° F.

### **COMPONENT B (POLYOL)**

THE POLYOL IS HYGROSCOPIC (MOISTURE ABSORBENT). KEEP CONTAINERS SEALED TO PREVENT MOISTURE ABSORPTION. STORE MATERIAL AT TEMPERATURES BETWEEN 60 AND 65° F.

**SAFETY INFORMATION:** MATERIAL SAFETY DATA SHEETS ARE SENT WITH EACH SHIPMENT OF POLYCOAT PRODUCTS'S PRODUCTS. THESE DATA SHEETS SHOULD BE READ AND UNDERSTOOD BY ALL PERSONNEL WHO WILL COME IN CONTACT WITH THE PRODUCT BEFORE THE CONTAINERS ARE OPENED. IF THE SAFETY DATA SHEETS ARE LOST OR YOU REQUIRE ADDITIONAL DATA SHEETS, PLEASE CONTACT POLYCOAT PRODUCTS AT 1 (800) 424-9300 AND REPLACEMENTS WILL BE SENT. **READ CAREFULLY.**



# 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](http://www.Polycoat.com)

**WARRANTY:** The information herein is believed to be accurate and reliable as of the date of issuance, but are subject to change without prior notice. It is up to the User to contact POLYCOAT PRODUCTS to verify the correctness prior to ordering or specifying this product. POLYCOAT PRODUCTS warrants this product for merchantable quality only, does not warranty against unknown risks that may or may not be present, nor do we assume any responsibility for coverage, performance, or injuries resulting from the use of this product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY POLYCOAT PRODUCTS EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OR LAW, OR OTHERWISE, INCLUDING MARKETABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Failure to strictly adhere to recommended procedures shall relieve POLYCOAT PRODUCTS of all liability with respect to the product or the use thereof. The buyer assumes all risks whatsoever as to the use of these products and the Buyer's exclusive remedy as to any breach of warranty or negligence claim shall be limited to the purchase price of the materials and agrees that any and all litigation proceedings shall be according to the laws of California and shall be filed in the County of Santa Fe Springs, CA. Each person, firm, or corporation engaged in the application, installation, disposal or any other use of any of these products shall carefully determine whether there is a potential hazard associated with such product in a specific usage, and utilize all appropriate precautionary and safety measures as outlined in Local, State and Federal regulations governing the use or disposal of these products or the construction and/or renovation of structures.

22 October 2014 2014 Rev. 1