



Technical Data Sheet

STAYFLEX[®] 2505 THERMAL BARRIER COATING

Product Description

The Stayflex[®] 2505 thermal barrier coating is a spray-applied, polymer-based coating specifically developed as a thermal barrier for application over Staycell[®] 245-2.0 spray-applied polyurethane foam insulation. It can be applied at 1/16" (.0625") in one coat and returned to service within eight hours or less.

- Fast cure, short downtime
- Low VOCs
- Excellent chemical and moisture resistance
- Acceptable for use in USDA/FDA inspected facilities

Product Characteristics

Finish:	Matte
Color:	White, Black, Brown, Tan, Gray, Red
Mix Ratio:	67-1
Solids Content:	96%
VOC Content:	
Coating Category:	INDUSTRIAL MAINTENANCE COATINGS
Product VOC Content:	73 g/L *
*Grams of VOC per liter of coating as applied per EPA Method 24	
Applied Thickness:	1/16 inch (minimum).
Coverage:	25 sq ft/gal @ 1/16 inch.
Application Temperature:	35°F. to 100°F.
Service Temperature:	-40°F. to 180°F.
Weight:	.50 pounds per sq ft @ 1/16 inch
Water Vapor Transmission:	Method: ASTM E-96 Result: .09 perms @ 1/16 inch.

Fire Ratings:	Method: ASTM E-84
Flame Spread	15
Smoke Development	250
Performance when tested over Staycell® 245-2.0 polyurethane foam in accordance with full-scale enclosed room fire test	Method: UL 1715 Result: Complies with UL 1715; no flame propagation
Specific Gravity:	1.55
Clean Up:	Acetone

Handling & Storage

Store drums in a cool area and out of direct sunlight so Stayflex® 2505 is maintained at 77° F or lower to avoid polymerization which will cause the material to be unsuitable for use.

Shelf Life

Uncatalyzed Stayflex® 2505 is stable for three (3) months when at temperatures of 77° F or below in a closed, opaque container out of direct sunlight or direct sources of heat. Do not add catalyst directly in the drum. The catalyst must be incorporated as a separate component in accordance with specific application instructions.

Limited warranty information

The information herein is to provide assistance in determining the suitability of our products for specific applications. Our products are only intended for sale to PSI Authorized Applicators. Customers of our products assume full responsibility for quality control, testing and determination of suitability of products for their intended application or use. We warrant that our products meet our written liquid component specifications. We make no other warranty of any kind, either express or implied, by fact or law, including any warranty of merchantability or fitness for a particular purpose. Our total liability and customers' exclusive remedy for all proven claims is to receive replacement of nonconforming products and in no event shall PSI be liable for any other damages.

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