

TECHNICAL INFORMATION

DESCRIPTION

RT-2050-1.8 is a technologically advanced, plural component, sprayable water-blown rigid polyurethane foam system.

APPLICATIONS

Insulation and substrate reinforcement.



TYPICAL PHYSICAL PROPERTIES

PROPERTY	ASTM METHOD	VALUE
Core Density	D-1622	1.8 - 2.0 pcf
K Factor Initial Btu/(HR)(FT ²)(°F/IN.)	C-516	.182
Closed Cell Content	D-1940	85 - 90%
Compressive Strength	D-1621	30 - 33 psi
Tensile Strength	D-1623	30 - 35 psi
Shear Strength	C-273	20 - 25 psi
Water Absorption (gms/cc)	D-2842	0.020
Water Vapor Transmission	C-355	3.0 perms
Dimensional Stability 158°F/100RH, AV 28 days	D-2126	-0.50
200°F dry, AV 28 days		-2.31
-30°F, AV 28 days		-1.12

THE INFORMATION HEREIN IS TO ASSIST CUSTOMERS IN DETERMINING WHETHER OUR PRODUCTS ARE SUITABLE FOR THEIR APPLICATIONS. WE REQUEST THAT CUSTOMERS INSPECT AND TEST OUR PRODUCTS BEFORE USE AND SATISFY THEMSELVES AS TO CONTENTS AND SUITABILITY. OUR PRODUCTS ARE INTENDED FOR SALE TO INDUSTRIAL AND COMMERCIAL CUSTOMERS. WE WARRANT THAT OUR PRODUCTS WILL MEET OUR WRITTEN SPECIFICATIONS. NOTHING HEREIN SHALL CONSTITUTE ANY OTHER WARRANTY EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS, NOR IS PROTECTION FROM ANY LAW OR PATENT TO BE INFERRED. THE EXCLUSIVE REMEDY FOR ALL PROVEN CLAIMS IS REPLACEMENT OF OUR MATERIALS AND IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

LIQUID COMPONENT PROPERTIES

PROPERTY

	A	B
Color	Dark Brown	Dark Brown
Viscosity Brookfield (cps)	200 ± 100	500 ± 100 cps
Specific Gravity	1.24	1.0603
Mixing Ratio by Volume	50	50

REACTIVITY CHARACTERISTICS @ 75°F

Cream Time	2 - 3 sec.
Tack Free Time	8 - 9 sec.
Cure Time @ 77°F	24 Hours

SHELF LIFE

When stored in the original unopened container at 55°F-75°F, the shelf life of the components is a minimum of six months.

SAFETY PRECAUTIONS

Dermal exposure to the isocyanate component ("A" Component) may cause sensitization, especially if chronic exposure is encountered. Skin contact with this material should be flushed immediately with copious amounts of water followed by 30% Isopropyl alcohol solution. Skin exposure should be minimized by the use of fabric coveralls and gloves during application.

The use of fresh air supply mask is recommended, especially when spraying in confined areas. As minimum protection, organic vapor respirators are acceptable.

Eye contact with either material can result in severe damage to the cornea. Eye exposure should be flushed with copious amounts of water. *Immediately contact trained medical personnel.*

For additional information, please see Material Safety Data Sheet.

CAUTION: Polyurethane foam produced from these materials may present a fire hazard if exposed to fire or excessive heat (i.e. cutting torches). The use of polyurethane foam in interior applications on walls or ceilings presents an unreasonable fire risk unless protected by an approved fire resistant thermal barrier with a finish rating of not less than 15 minutes. A code definition of an approved "thermal barrier" is a material equal in fire resistance to 1/2" gypsum board. Each firm, person, or corporation engaged in the use, manufacture, production or application of the polyurethane foams produced from these resins should carefully examine his end use to determine any potential fire hazard associated with such product in a specific use and to utilize appropriate precautionary and safety measures. Consultation with building code officials and insurance agency personnel before application is recommended.

FREIGHT CLASSIFICATION

B Component - Resin Compounds Item 46030, Class 55, NOIBN Non-Hazardous
A Component - Resin Compounds Item 46030, Class 55, NOIBN Non-Hazardous

