



PERMAX-120

ACRYLIC ELASTOMERIC COATING



ENERGY STAR
PARTNER

TECHNICAL INFORMATION

DESCRIPTION

PERMAX-120 is a 100% acrylic, elastomeric, cold-applied coating for roofs where a breather coating is desired. Used in conjunction with specified polyurethane foam insulations, this coating can be used to achieve a Class A roofing system in accordance with Underwriters Laboratories 790 testing. This product meets all the requirements for California's SCAQMD for V.O.C's, California Energy Commission Title 24, and ASTM D6083.



TYPICAL PHYSICAL PROPERTIES

Solids Content		
Non-Volatile, by wt. (ASTM D1644)		68.0% ± 2%
Non-Volatile, by vol. (ASTM D2697)		60.0% ± 2%
Viscosity (ASTM D562-33)		95-105 KU
Weight per Gallon (PTM* 3.13)		11.5 ± 0.3 lbs.
Flash Point (ASTM D93-73-PMCC)		None below boiling point of product
V.O.C's, gm/l less water		49
Gloss at 60° Geometry		10
Color		White
Shelf Life Stability (Unopened container above 32°)		1 year
Clean-up solvent (wet material)		Warm Water
Coverage (Mils / 100 sf / Gal.)		9.5 ± 1 Dry Mils 16 Wet Mils

*Paint Testing Manual, Thirteenth Edition-1972

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 EXPRESSED 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.

"As an ENERGY STAR Roof Products Partner, Resin Technology Company has determined that this product meets the ENERGY STAR guidelines for energy efficiency."

TYPICAL PERFORMANCE PROPERTIES

Drying Time at 24 wet mils	
Dry to Touch (ASTM D1640-69, 5.4)	4 hours
Dry, Through (ASTM D1640-69, 5.6)	12 hours
Dry-to-recoat (ASTM D1640-69, 5.7)	12-24 hours
Tensile Strength, psi @ 77°F, Break (ASTM D6083)	216 ± 100 psi
@ 0°F	789 ± 100 psi
Elongation, % @ 77°F, (ASTM D6083)	232 ± 100
@ 0°F	100 ± 50
After 1000 hrs Xenon Arc Weatherometer	200 ± 100
Low Temperature Flex After 1000 hrs Xenon Arch Weatherometer) (ASTM D6083)	Pass 1/2 in @ 0°F no cracking or checking
Permeance, (ASTM D1653)	6 perms
Water Swelling, (ASTM D6083)	3.5%
Adhesion to SPF, (ASTM D6083)	2.6 lbf/in
Service Temperature Range	40° – 200°F
Reflectance, (ASTM C1549)	85% ± 1%
With RTC Bright White Granules 35 lbs/sq	73% ± 1%
Emittance, (ASTM C-1371)	.89
With RTC Bright White Granules 35 lbs/sq	.98

FLAMMABILITY CHARACTERISTICS***

UL-790 (ASTM E-108), U.L. File #R10185	
Noncombustible Deck	Class A
Combustible Deck	Class B
Maintenance and Repair	Class A

ADDITIONAL INFORMATION

Please contact your representative for information not covered herein. Protect from freezing. On prolonged storage, light mixing may be necessary.

*** Note: This numeric flame spread rating and all other test data presented are not intended to reflect the hazards presented by this or any other material under actual fire conditions.

FREIGHT CLASSIFICATION

NOIBN Liquid Plastic Material