



**PERMAX-800**

**URETHANE ELASTOMERIC COATING**

**TECHNICAL INFORMATION**

**DESCRIPTION**

PERMAX-800 is a high solids, moisture catalyzed, aliphatic polyurethane elastomer coating. PERMAX-800 provides an excellent balance of tensile strength, elongation and hardness, resulting in long term flexibility and impact resistance.

PERMAX-800 is a single component elastomer which is catalyzed through exposure to moisture in the air. It is supplied with a separate booster unit which is added at the time the material is mixed to achieve a faster cure, or when cool temperatures and/or low humidity will retard the cure. It is designed for application through standard airless spray equipment as well as brush or roller.

**TYPICAL PHYSICAL PROPERTIES**

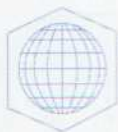
Property	Specification	Value
Color (Permax 800)		White
Weight (1b/gal.)	ASTD D1475	11.7 ± 0.5
Solids		
By Weight	ASTM-D-1353	73% ± 2
By Volume	Calculated	70% ± 2
Flash Point	Pensky-Martins Closed Cup	80° F (26° C)
Storage Stability	40° F-80° F	6 months

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."

## PERFORMANCE PROPERTIES

Property	Specifications	Value
Tensile	ASTM D 412	2500 psi $\pm$ 100
Elongation at 75° F	ASTM D 412	150% $\pm$ 25
Tear Resistance	STM 624, Die C	375 lbs/inch $\pm$ 25
Hardness	ASTM D 2240 Shore D	60 $\pm$ 5
Low Temperature Flexibility	180° F Bend at 50° F	Passes
Abrasion Resistance	ASTM C 501 CS-17 wheel, 1000 Rev. 1000 Gram Wt.	75mg $\pm$ 10



## CLEAN UP

Equipment - For best results, use a mixture of XYLOL and MEK (50/50), or XYLOL.

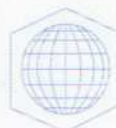
## STORAGE

Store materials in a dry environment or with a minimum temperature of 30-40° F and a maximum temperature of 80° F. The shelf life of permax 800 is 6 months in unopened containers which are purged with nitrogen.

If the container is opened, it should be purged with nitrogen and resealed or filled into smaller containers to their maximum volume to eliminate polymerization in the can.

## APPLICATION GUIDELINES

1. DO NOT apply over wet substrates or when inclement weather is imminent.
2. DO NOT apply when the temperature is below 45° F or greater than 120° F.
3. CAUTION: Prior to application of Permax 800 the system should be purged to eliminate all solvents remaining in hoses before applying to roof.
4. DO NOT apply without adequate air exchange and ventilation in closed areas.



## GENERAL SAFETY, TOXICITY AND HEALTH DATA

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the Material Safety Data Sheet.

**WARNING:** Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact of the liquid or spray mist.

Eye protection: Safety glasses, splash goggles, or face shield is recommended.

Skin protection: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

Respiratory protection: Use a respirator approved for isocyanates and/or organic vapors. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

Ingestion: Do not take internally. It is believed ingestion of TDI, MDI or polymeric isocyanates would not be fatal to humans, but may cause inflammation of the mouth and stomach tissue. Do not take internally or swallow.

Flammability: This coating contains solvents. Do not use near open flame or spark producing sources. Store away from heat. Use only approved explosion proof equipment.

**NOTE:** Solvent fumes are heavier than air and may travel along the ground. Eliminate any possible ignition source in the general work area.

Have available CO<sub>2</sub> or dry chemical fire extinguishers.  
**DO NOT USE WATER.**

## FREIGHT CLASSIFICATION

Coating Solution, (Contains XYLENE/TOLUENE DIISOCYANATE), 3.3, UN1139, PGIII (Hazardous Material-Placards required)