

# PERMACOOL PW

Ponded Water Resistant, Acrylic Elastomeric Roof Coating

## DESCRIPTION

PermaCool PW is a high performance, 100% acrylic, elastomeric coating specially formulated to provide long-lasting protection against water penetration and ponding. PermaCool PW is suitable for use on variety of roofing surfaces.

## ADVANTAGES

- ▶ Extremely durable, long lasting membrane with exceptional UV resistance and weatherability
- ▶ Highly reflective, bright white finish decreases rooftop temperatures and radiant heat transfer for increased energy savings
- ▶ Breathable membrane that prevents moisture entrapment and premature roof failure
- ▶ Excellent resistance against fungal/algal growth and dirt accumulation
- ▶ Environmental friendly and VOC compliant

## TECHNICAL CHARACTERISTICS \*

PROPERTY	VALUES
<b>Color</b>	Bright White
<b>Physical State</b>	Cures to Solid
<b>Viscosity</b>	120 KU
<b>Density</b>	11.1 lb/gal
<b>Flash Point</b>	Non-Combustible
<b>VOC</b>	< 50 g/L

PROPERTY	ASTM	VALUES
<b>Tensile Strength</b>	D2370	300 psi
<b>Elongation</b>	D2370	140%
<b>Tear Resistance</b>	D624	95 psi
<b>Solids Volume</b>	D1653	55%
<b>Solids by Weight</b>	D1644	66%
<b>Permeability</b>	D1653	7 perms
<b>Impact Resistance</b>	D2240	SHORE A: 50 - 55

\* All values shown are nominal and subject to normal manufacturing tolerances.

## ENERGY & ENVIRONMENT \*

PROPERTY	TEST METHOD	INITIAL	3-YEAR
<b>Reflectivity</b>	C1549	≥0.86	Pending
<b>Emissivity</b>	E1371	≥0.90	Pending
<b>SRI</b>	E1980	108	Pending

\* All values shown are nominal and subject to normal manufacturing tolerances.

## SURFACE PREPARATION

All surfaces must be dry and free of dirt, debris, algae, mildew, oil, talc, loose granules or any other foreign matter that may prohibit adhesion. Surfaces must be pressure washed (3,000 psi minimum) with a mild detergent, chlorine bleach and water solution. A stiff bristle broom may be used on stubborn areas. Ensure all work surfaces are thoroughly dry prior to application.

Performance Roof Systems advises that adhesion/peel tests be performed prior to application to ensure adequate bond can be achieved or if a primer or other specific surface preparation is required.

## APPLICATION

**Tools:** Can be applied using a brush, roller or hand sprayer

**Application Rate:** 1.5 gallons per 100 SF at 24 wet mils

**Working Temperatures:** Ambient and surface temperatures must be above 50°F and not fall below 32°F within 24 hours of application.

**Working Times\*** (@ 75°F with 50% humidity)

DRY TIME	NEXT COAT	FULL CURE
90 min	6 hrs	30 days

\* All working & cure times are approximate and vary upon wind, humidity and ambient/surface temperatures.

**Clean Up:** For wet material use soap and water; For cured material use mineral spirits or citrus-based cleaners

## LIMITATIONS

Do not attempt application if rain or dew are likely to occur before product can dry.

High humidity conditions or late afternoon applications should be avoided as overnight dew formation on uncured surfaces can cause coating wash-off.

For complete application instructions please refer to published specifications and recommendations.

## PACKAGING & STORAGE

PermaCool PW is available in the following container sizes:

5 gallon pails (18.9 L)

55 gallon drums (208.2 L)

Do not store in direct sunlight. Keep temperature of contents between 55 - 80°F. **PROTECT FROM FREEZING.** Approximate shelf life is 12 months from date of shipment when properly stored.