

PERMACOOL AC

General Purpose, Acrylic Elastomeric Roof Coating

DESCRIPTION

PermaCool AC is a highly elastomeric, 100% acrylic protective coating designed for use on variety of roofing surfaces and substrates. Upon cure PermaCool AC forms a durable, flexible coating that is highly reflective and resistant to natural weathering.

ADVANTAGES

- ▶ 100% acrylic, polymer formula provides exceptional UV resistance and outstanding performance in warmer climates
- ▶ Highly reflective, brilliant white finish decreases rooftop temperatures and radiant heat transfer for increased energy savings
- ▶ Environmental friendly and VOC compliant
- ▶ Cost-effective alternative to roof replacement

TECHNICAL CHARACTERISTICS *

PROPERTY	VALUES
Color	Bright White
Physical State	Cures to Solid
Viscosity	10,000 CP
Density	12.1 lb/gal
Flash Point	Non-Combustible
VOC	< 50 g/L

PROPERTY	ASTM	VALUES
Tensile Strength	D2370	273 psi
Elongation	D2370	233%
Tear Resistance	D624	95 psi
Solids Volume	D1653	50%
Solids by Weight	D1644	65.4%
Permeability	D1653	14 perms
Impact Resistance	D2240	SHORE A: 50 - 55

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

ENERGY & ENVIRONMENT *

PROPERTY	TEST METHOD	INITIAL	3-YEAR
Reflectivity	C1549	≥0.86	Pending
Emissivity	E1371	≥0.88	Pending
SRI	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.

Not intended to perform under ponding water conditions. Positive drainage is required.

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

PACKAGING & STORAGE

PermaCool HT 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.