



## (1-A-RP) 1 Component Acrylic Recycled Plastic

PROPERTY	TEST	TYPICAL VALUE
Type of coating		One part recycled post consumer plastic modified acrylic polymer
Overall Thickness		White
Color		30-33 dry mil
Hardness shore	Optical	
Tensile strength	ASTM D-2240	A80 +/-5
Elongation / tear	ASTM D412-98A	547 psi
Memory of elongation	ASTM D412-98A	220% ¼" to 1"
Ply adhesion minimum (lbs/in)	ASTM D412-98A	95% %
Solid contents	ASTM 413	20 lbs. in min
Solvents	ASTM C836-89A	72% +- .05
Abrasion resistance	H2O/aqueous fluid	Evaporation cure
Adhesion	ASTM C501	Excellent
Water vapor transmission	ASTM 413	Excellent
Viscosity	ASTM E96	0.07 @33 dry mil
Flammability		3200 cps.
VOC	UL 790	Class A Fire rated on non-combustible surfaces*
UV resistance	ASTM D2697	See MSDS
Solar reflectance	ASTM G-26	Pass 1 year exposure
Drying Rate	90% INITIAL	Meets or exceeds Energy Star and CRRC
Withstands ponding water		30 minutes tack, 2hour, dry 14-18 hour cure
Coverage Rate (per gallon)		After cure 100 square feet; 11 dry mils

### Product Description:

(1-A-RP) is a fluid applied, single component, **acrylic base polymer modified with post consumer recycled plastic** which protects all types of low slope roofing and wall systems monolithically from weather, ultraviolet light and airborne corrosion. It has excellent chemical resistance and 10-15 year life expectancy.

### Product Application:

(1-A-RP) is used to rejuvenate old roofing systems and as a stand alone system over new concrete, metal, and other roofing and

wall applications. Spray application by airless, roller or brush is the recommended technique. (1-A-RP) is versatile enough to be roller, brush, or squeegee applied.

Colors are available

### Precautionary Data:

1. (1-A-RP)<sup>®</sup> contains no volatile solvents, normal precautions in handling material should be followed. **Keep out of the reach of children.**
2. A particulate respirator is recommended for spray application. Avoid skin contact.
3. Protect stored material from freezing.

4. Review MSDS for safety information prior to use.

# GENERAL GUIDLINES FOR APPLICATION

## Plasti-Coat®

### SURFACE PREPARATION – GENERAL

1. Clean surface to remove dirt, oil, loose debris, etc.
2. Dry or allow the surface to dry.
3. Apply all surfaces with ProPrime® 1gallon per 4 squares if needed.
4. Apply Plasti-Coat® per instructions below.
5. Fabrics may be recommended, consult supplier.

### APPLICATION

**Metal Roofs:** 2 to 3 gallon Plasti-Coat® per square in one coat, = 32- 48 dry mils thick.

- Tighten and/or replace all missing fasteners. Replace metal as needed. Cant areas to avoid standing water. Remove all flaking rust with power washer or sandblaster.
- Apply ProPrime™ on rusted surfaces to prep metal.
- Apply ProTape™ to bridge holes in the deck.
- Apply polyurethane caulk to fasteners or to bridge ¼” or wider seam gaps.
- Apply Plasti-Coat® forcing materials into the bolt heads and seams.

**Concrete:** For sealing: 1 gal./sq. = 16 mils  
For roof or deck: 2 – 3 gal./sq. = 32-48 mils

- Repair blisters and cracks using DuraTape®, fiberglass or polyester matte for added strength, as needed, then coat entire roof with ProCoat®.

**Built-up Roof (no gravel):** 2 – 3 gallons per square in one coat, = 32-48 mils thick.

- Repair blisters and cracks using ProTape®, fiberglass or polyester matte for added strength, as needed, then coat entire roof with Plasti-Coat®.

**Built-up Roof (w/gravel):** 2,3-4 gallons Plasti-Coat® per square in one coat, = 43 mils thick. Manufacturer recommends spray foam base coat.

- Remove all gravel and spud the roof smooth.
- Repair blisters and cracks using ProTape®, fiberglass or polyester matte for added

strength, as needed, then coat entire roof with Plasti-Coat®.

**Spray Foam:** 2-3 gallons per square minimum in 1 coat. Prime new foam with ProPrime acrylic primer @1 gal per 250-300 sq feet

- Poly fabric is not required due to spray foams dimensional stability.
- Urethane foam must cure 2 hours prior to application of coating.

**Wood Surface:** 2 gallons Plasti-Coat® per square in one coat, = 32 mils thick.

- Use ProTape®, fiberglass or polyester matte on seams for added strength.

### GENERAL INFORMATION:

Mix material well before application. Stir slowly to avoid mixing in air. Keep containers closed to prevent moisture and contamination.

Plasti-Coat® may be rolled (¼” nap) or brushed on.

**Spray application:** Contact the factory for list of certified applicators. If sprayed each coat must be cross-hatched. Use caution to avoid drift and over spray. A particulate respirator is recommended.

### WARNING:

- Plasti-Coat® adheres to almost all surfaces and is difficult to clean off.
- Wear gloves and protective clothing; avoid contact to skin . Mask off any surfaces not requiring coating .
- Protect stored material from freezing.
- **Keep out of the reach of children.**