

# ECO+PLUS

## PRODUCT DESCRIPTION

ECOPLUS MEMBRANE is a liquid applied, high solids, premium quality waterproofing coating specially designed to waterproof, protect and preserve new and existing roofing systems. ECOPLUS MEMBRANE is a non-toxic, environmentally friendly, green material. It has zero volatile organic compounds (VOC) and zero ozone depleting substance (ODS) that produce adverse effects in the environment. Use of ECOPLUS MEMBRANE can increase LEED certification points for your building. The coating results to very durable, extremely tough and flexible seamless membrane that has long-term weathering and ultraviolet resistance. ECOPLUS MEMBRANE has high solar reflectance which contributes to reduction of energy cost. It effectively reflects the sun's heat unlike dark colored waterproofing and roofs that absorb and retain heat.

## USES & APPLICATIONS

ECOPLUS MEMBRANE forms a durable and flexible seamless waterproof membrane to protect and preserve existing roofing systems ranging from metal, concrete, bituminous and other roof systems. It is designed to restore damaged roofing as an effective and cost efficient alternative to costly removal and replacement of new roof.

ECOPLUS MEMBRANE is a cool roofing system. ECOPLUS MEMBRANE has a very high solar reflectance that contributes to building energy efficiency and savings.

ECOPLUS MEMBRANE is suitable for use as heat insulation coating & waterproofing for old & new metal roofs. It can also be used as protection & encasement of roofing. It is also used as membrane waterproofing for old & new concrete decks, balconies, terraces, toilets & other wet areas and as protective & decorative finish for exterior walls.

## INSTALLATION PROCEDURE

### Surface Preparation

All surface must be dry, clean, free of dirt, grease, oil, curing compound, or other contaminants that would impair bonding and

adhesion of ECOPLUS MEMBRANE. Concrete or masonry substrate should be cured for minimum of 14 days prior to application and should be free of voids, loose aggregate and protrusions. Metal surfaces should be free of rust & delaminated paint.

Visible cracks, and joints should be routed out and filled with manufacturer recommended sealing material. Rough, loose and honeycomb portions must be corrected with Rebgout Epoxy or Rebond Grout.

### Application

ECOPLUS MEMBRANE can be applied by paint brush or roller brush. Mix the material thoroughly before application. It is applied in 2 to 3 coatings to attain dry film thickness of 24 mils. Succeeding coating should be installed perpendicular to the preceding coating. Allow 4 to 6 hours drying time between each coat. The membrane should be fully cured for 3 days prior to any water testing. Where damage to membrane is possible (by heavy traffic, backfilling), provide mortar screed or protection boards.

PROPERTIES	
Form	Liquid
Color	White
Solid Content	70 %
Specific Gravity	1.44
Drying Time	1 hour
VOC Content	zero
Elongation (ASTM D638)	600 %
Tensile Strength (ASTM D638)	9.2 MPA
Total Solar Reflectance	84 %

## PACKAGING & COVERAGE

ECOPLUS MEMBRANE is available in 18.5 liter pails & 3.7 liter gallon container.

Theoretical coverage is approximately 3 m<sup>2</sup>/gallon @ 3 coats.