

# Elastomeric Roof Coating (ERC)

## Liquid Waterproofing

### Description:

Elastomeric roof coating (ERC) is a liquid elastomeric single component, mixed co-polymer based coating with excellent weather resistance properties. It seals the hairline cracks, stops seepage and forms an impermeable film which gives long life flexibility and ideally suited for use in areas with extreme climatic conditions.

### Primary use:

Elastomeric roof coating (ERC) is a vapor permeable, seamless liquid elastomeric membrane, when dries give a flexible, tough, sun reflective, waterproof surface.

### Surface Preparation & Application:

Ensure that all dust, dirt, and foreign matter is removed from the roof surface. All cracks should be properly repaired with acrylic filler.

Prime the surface by diluting Elastomeric roof coating (ERC) with 10-15% water. ERC may be applied by brush, roller or spray, depending on the size of the area to be treated. Apply two to three coats of ERC embedding glass fiber scrim in areas which require reinforcement. Allow material to dry between coats. Do not apply if there is a rain as ERC is not resistant to rain until fully dry. Tools should be washed in water.

### Advantages:

Tough, elastic, sun reflective, weatherproof, waterproof, permeable, seamless, withstands movement of roof, good adhesion to most substrates, economical and easy to use. ERC can be applied on Concrete screed, Asbestos-Cement sheets, Steel corrugated sheets and sprayed polyurethane.

### Technical Data

<u>Colors Available</u>	:	White, Grey.
<u>Consistency</u>	:	Moderately viscous liquid.
<u>Flash Point</u>	:	None-water based.
<u>Specific Gravity</u>	:	1.2 +/- 0.05 at 20 C
<u>Thickness</u>	:	0.750 mm in two Coats. 2 Coats recommended or as per design.
<u>Application</u>	:	Brush, Spray or Roller
<u>Finish</u>	:	Tough, seamless, semi-gloss, Elastic film.
<u>Solid</u>	:	62 +/- 1%
<u>Service Temperature</u>	:	10 C to 70 C

### Mechanics:

<u>Elongation at break</u>	:	Above 300% ASTM-D412-75
<u>Bend Strength</u>	:	Passed 1/16 <sup>th</sup> in cylindrical mandrel test.
<u>Impact Strength</u>	:	Passed 20 lbs. impact and gardener test 360 bending.
<u>Tensile Strength</u>	:	Dry 4 N/M ASTM-D412 Wet 1.4 N/M ASTM-D 412
<u>Storage Stability</u>	:	1 year when stored properly in Original sealed containers in a dry place.
<u>Packing</u>	:	20 Kg, 5 Kg Net.



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