

ElastoWhite

ElastoWhite is a special synthetic resin based waterproof coating. Because of its excellent flexibility and thixotropic nature, it is ideal for use on vertical as well as horizontal surfaces. It is single pack, very economical and pollution free waterproof coating. Due to its white color, it offers excellent UV Resistance & Solar reflectivity. Gives cooling effect due to the reflective properties.

Principal Application

Waterproofing for roofs ranging from asphalt, asbestos, cement to concrete and terrazzo tiles. Recommended for both horizontal and inclined structures, waterproofing of roof slabs, terraces, balconies, sun shades, parapet walls, etc. provides additional waterproofing and protection when used as base or intermediate coat in brickbat coba / ISP flooring. Waterproofing of new as well as old surfaces waterproofing membrane for FLAT ROOFING SYSTEM (Traditional and Inversed).

Substrates

Nature of substrates: ElastoWhite waterproof membranes can be applied not only to concrete but also to wood and metal surfaces. With the latter a special primer is necessary.

Roof Pitches: the membrane can be applied for all roofs to any extent of slope.

Conditions of substrate: Concrete and cementations substrate are to be well compacted and at least 28 days old, with towed finish. Wood panels or metal sheeting should be solidly fixed and cleaned. All surfaces must be clean, dry and free from dust or rust and oil residue.

Coverage

Coverage depends upon the nature of the surface to be applied. But on average, smooth surface will give approx. 30 Sq Ft per kg (First Coat) & 35 Sq Ft per Kg (Second Coat). Two coats of the product will give 300 microns dft.

Mechanical Protection

Roofs not subject to traffic: Fine mesh nylon sheet should be placed over the insulation before covering with washed gravel (15/30mm gauge) to a minimal thickness of 5cm. Where the thickness of the insulation is more than 5cm. Apply gravel to the same thickness as the insulation.

Roofs subject to traffic: Protection by prefabricated concrete slabs, using wedges made from small squares of ROOFMATE 20x20 cm to adjust levels and allow rain water to drain under protection. Protection by in-situ concrete screed: a 'KRAFT' paper protection should be placed over the insulation and topped with a concrete screed of 4 to 5 cm. thickness.

Health & Safety

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

Inhalation: Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

Eye Contact: Flush eyes with water for 15 minutes and call for medical help.

Ingestion: Cause nausea, vomiting and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

Skin Contact: Flush with water or soap and water till all traces have been removed. Seek medical attention if required.



Storage & Shelf life

Shelf life is 24 months in unopened container. Store away from sunlight and preferably below 40°C. storage should be frost protected.

Technical Data

Appearance	Viscous Liquid
Colour	White, Grey
Specific Gravity	1.10 + .10 (ASTM - D 1475-03)
Solid Content	63 + 5% (ASTM - D 1644-03)
Elongation @ Break	3000% (ASTM - D 2370-98)
Viscosity (Spindle No: 7; RPM:10 25 C	50000 to 70000 CPS (thixotropic)
Curing Time	Approx 48 Hours at 20°C Approx 2 Hours (ASTM D 1640-03)
Hardness Shore A	55 ± 5 (ASTM - D 2240-05)
Resistance to Temperature	Approx -30°C to +100°C
Elongation Break	3000% (ASTM - D 2370-98)
Tensile Strength N/mm ²	1.99 (ASTM - D 412-98a)
UV Resistance	10,000 Hours no deterioration or color fade. (ASTM D 822)
Flash Point	Non-flammable
Chemical Resistance	Good
Insulation Properties	Good
Adhesion Strength N/mm ²	66.00 (ASTM - D 903-98)
Pull Off Test N/mm ²	2.704 (BS 1881:part 207:1992)
Water Vapor Transmission g/h-m ²	0.97 (ASTM E 96-095)

Warranty

The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and our responsibility is limited to the quality of supplies with no guarantee of result in the field, as manufacturer has no control over site conditions or execution of work.

