

OVERVIEW

Flexicoat Thermo is an elastomeric acrylic waterproof coating. It contains brilliant white pigments and heat reflective ceramic spheres which gives the product heat reflective and insulating properties. It protects the substrate by reflecting up to 90% of the incident solar heat from the surface. Flexicoat Thermo has long-life flexibility and is ideally suitable for areas with extreme climatic conditions. Flexicoat Thermo provides a heat and weather resistant, flexible coating that can reduce energy costs (for cooling) by up to 40%.

PROPERTIES

Flexicoat Thermo is a blend of weather resistant pigments, fillers, ceramic spheres and acrylic ester resins. It has the following properties:

- Waterproof and weatherproof coating
- Heat reflective and insulating properties
- Reflects Ultra-Violet (light) rays
- Allows surface to breath while remaining strongly anchored to the substrate
- Provides a seamless coating
- High flexibility
- Fast drying
- Reduces energy costs (for cooling) by up to 40%

AREAS OF USE

Flexicoat Thermo is designed for application on roofs constructed from a wide variety of materials, i.e. concrete, light weight concrete, roof tiles, wood, galvanised steel, asphalt and asbestos cement. It is ideal for use in areas where flat roofed construction methods are used. Ensure a slope of 1:75 is maintained to avoid ponding.

PREPARATION OF SURFACE

Ensure that all dust, dirt and foreign matter are brushed and scraped away. Also ensure the surfaces are free from salts, oil, grease and ridges, and protect all adjacent surfaces not to be covered. All cracks, chips, voids and damages should be repaired with appropriate filler.

PRIMING

If substrate is porous, it is recommended to use TERRACO Penetrating Primer prior to Flexicoat Thermo application.

APPLICATION & CLEANING OF TOOLS

Flexicoat Thermo is applied by spray or brush, embedding glass fibre scrim in areas which require reinforcement. Allow to dry and apply another coat. Consumption rate should be 1.0-1.5kg/m². Do not apply if rain is threatening, as Flexicoat Thermo is not resistant to rain until fully dry.

Clean tools and equipment with water after use.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKAGING & STORAGE

Flexicoat Thermo is supplied 4kg and 15kg plastic pails.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months. Use oldest material first.

TERRACO offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the TERRACO Technical Service Department or your local TERRACO agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on TERRACO's present state of knowledge and is intended to provide general information on TERRACO's products and their methods of use. The prospective user is recommended to determine the suitability of TERRACO's suggestions and products before adopting them on a commercial scale.

TECHNICAL DATA

Product	Waterproof heat reflective and insulating roofing.
Binders	Acrylic.
Fillers	Ceramic micro-spheres and precisely graded fillers.
Pigments	Weather resistant pigments.
Drying Time	6 hours between coats.
Specific Gravity	1.00
Colours	White and grey.
Material Consumption	1-1.5 kg/m ² .
Tensile Strength	1.0 MPa @ 25°C (ASTM D412)
Elongation	300 (± 50) @ 25°C (ASTM D412)
Hardness	60 – 70 Shore A (ASTM D2240)
pH Value	8-8.5
Application Method	By roller or spray.
Packaging	4kg and 15kg plastic pails.
Storage	12 months in original unopened containers.

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