

OVERVIEW

Flexishield is a mid-sheen elastomeric masonry paint with excellent weathering properties. It has the ability to bridge cracks unlike conventional masonry coatings. It also maintains flexibility over a wide range of temperatures making it suitable in extreme climatic conditions. Flexishield is based on a crosslinking acrylic polymer which allows it to form a low-tack surface that provides the coating with excellent dirt pick-up resistance. Flexishield is available in the standard range of colours, special colours are available on request.

PRODUCT GRADES/CODES

White	61780
Pastel	61782
Mid	61783
Clear	61784

PROPERTIES

Flexishield is an elastomeric paint with the following features and advantages:

- 100% acrylic - resistant to UV light giving excellent long term durability.
- Permanent flexibility - has the ability to bridge cracks over a wide range of temperatures from -40oC to +50oC.
- Tough film - because of the crosslinking of the polymer, high tensile strengths are achieved in the coating film.
- Breathable - allows the structure to breath.
- CO2 Barrier - helps to prevent concrete corrosion.

Dirt resistant chemistry - surface crosslinkage maintains a clean surface unlike other elastomeric coatings.

AREA OF USE

Flexishield can be used on new or old masonry surfaces. It is suitable for interior and exterior use. It is particularly useful over surfaces which have micro cracks, or on surfaces which may develop such cracks in the future.

PREPARATION OF SURFACE

Ensure that all dust, dirt and foreign matter are brushed and scraped away. Surface defects should be repaired with Terramix or Handycoat Exterior. Apply 1 coat of TERRACO Penetrating Primer to ensure the surface is sound and well bound. Old surfaces should be treated with a soda/water solution, rinsed and allowed to dry before application.

APPLICATION & CLEANING OF TOOLS

When applying to old painted surfaces, first wash down with a soda/water solution, rinse and allow to dry before either patching or painting. Very porous substrates should be filled and may require a diluted first coat. Apply the paint by brush, roller or spray. The application operation should be continuous in order to avoid dry edges; therefore plan the application work accordingly.

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 AND STORAGE

Flexishield is supplied in 5kg and 20kg 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	Elastomeric masonry coating.
Binder	Pure acrylic crosslinking resin.
Tensile Strength(MPa)	2.2 (25°C), 6.0 (0°C), 8.0 (-18°C).
% Elongation at Break	280 (25°C), 270 (0°C), 150 (-18°C).
Water Vapour Permeability (DIN 52675), S_D (m) (=μ H₂O.s)	0.6
Carbon Dioxide Diffusion S_D (m) (=μ CO₂.s)	53.0
Alkali Resistance	Excellent (1 day), excellent (3 days).
Filler Material Dirt Pick-up Resistance	79% (Y reflectance retained after 10 month exposure).
Crack Bridging B Value	4.4 (24°C), 3.6 (-18°C).
Consumption	400grs/m ² depending on surface condition.
Viscosity	15,000cps
Specific Gravity	1.28
Solid Content	55%
pH Value	8.0-8.5
Volume Solids	42%
Application Method	Roller, spray, brush.
Packaging	5kg and 20kg plastic pails.
Storage	12 months in original unopened containers.

TO CALCULATE THE CRACK BRIDGING ABILITY

$$\frac{\text{Consumption (400)}}{\text{Specific gravity 1.28}} \times \frac{\text{Volume solids 42}}{100} \times \text{B Value 4.4} = 577\text{mic}$$

∴ Consumption 400grs/m² can bridge a crack of 577mic.

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