

OVERVIEW

Flexitex EWC is a high flexibility pure acrylic based exterior coating with excellent resistance in extreme climatic conditions. The coating has superb flexibility and is capable of bridging shrinkage cracks in concrete mortars. The system has an attractive semi-gloss finish which is resistant to dirt pick-up from the atmosphere thereby keeping the building facade clean for many years. The system also allows water vapour to pass from the structure to the atmosphere but will not allow water ingress.

PROPERTIES

Flexitex EWC is an elastomeric coating 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 cross-linkage maintains a clean surface unlike other elastomeric coatings.

AREAS OF USE

Flexitex EWC is primarily designed for exterior facades such as high-rise buildings, office blocks, hotel construction and hospitals.

It gives an attractive semi-gloss, high build finish to all types of exterior facades.

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

Flexitex EWC can be applied by spray or roller to achieve the required texture. Apply 2 coats diluting the first coat with up to 20% water. The second coat should not be diluted.

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

Flexitex EWC coating is supplied in 25kg 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 high build 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	800grs/m ² depending on surface condition.
Viscosity	30,000cps
Specific Gravity	1.42
Solid Content	65%
pH Value	8.0-8.5
Volume Scrubs	50%
Application Method	Roller, spray, brush.
Packaging	25kg plastic pails.
Storage	12 months in original unopened containers.

TO CALCULATE THE CRACK BRIDGING ABILITY

$$\text{Consumption (800)} \times \frac{\text{Volume solids 50}}{\text{Specific gravity 1.42}} \times \frac{\text{B Value 4.4}}{100} = 873\text{mic}$$

∴ Consumption 800grs/m² can bridge a crack of 873mic.

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