

Smartcare Flexidex LE

Highly resilient elastomeric polymer



Description

A specially formulated liquid membrane based on highly resilient elastomeric polymer containing Solar Heat Reflecting inert pigments, recommended for the protection of all types of roofs - concrete, tiles, plasters, timbers etc. Being seamless and resistant to water diffusion, Flexidex LE is an ideal coating for waterproofing.

Uses

- Area of Use: Interior & Exterior
- Substrate: Concrete, plaster, tiles, timber

Characteristics

- Ready to use material. Easy to apply by Brush, Roller and Spray
- Protects exposed concrete structures against Efflorescence and salt migration
- Excellent UV resistance
- Excellent elongation properties
- Elastomeric and crack bridging ability
- Good resistance chloride and sulphate ions
- Resistant to water diffusion

Packing

18 Ltr

Coverage

1-2 Sqm/ liter per coat depending on the nature and profile of the surface, coat thickness, application method etc.

Practical coverage: While estimating the practical spread rates, due allowance should be made for surface profile, uneven application, over spray, losses in containers and equipment.

Properties

COLOUR, DRY FILM	White
FINISH, DRY FILM	Smooth
SOLID CONTENT, % by wt.	54 ± 2%
Density @ 25°C g/cc	1.25 ± 0.05
Elongation at break %	400
ASTM D 412	

*all values given are subject to 5-10% tolerance

Application Data

Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the coating is as follows:

Surface Preparation:

Concrete surface

Ensure surface is clean, dry and free from all contaminants. Use a stiff bristled brush to remove loose and powdery residues.

Fill cavities, cracks etc., by local touch up with Flexidex-LE.

Metal profile surface

- Metal Profile Roofs must be free of rust. This can be achieved by wire brushing or grit blasting.
- All gaps between overlapping metal panels must be sealed with suitable material and all fixings must be securely tightened

Priming

- Porous substrates should be primed using one coat of SmartCare Flexidex LE mixed a ratio of 3:1 with water (3-part SmartCare FlexidexLE and 1-part Water). The primer should be allowed to dry for minimum 2-3 hours before over coating
- The primer also functions as an adhesion promoter for the top coats. This primer coat can be applied by a brush, roller or airless spray.
- For Metal Profile Roofs, apply one coat of Epilux-70 Epoxy primer grey or Luxaprime- 1400 Alkyd Zinc Phosphate Primer

Application

- Mix the contents of the drum prior to the application to remove any sediment. SmartCare Flexidex LE can be applied by stiff bristled brush, roller or an airless spray. When applying by airless spray, dilute the coating with approximately 5% water to reduce the viscosity of the coating.
- Apply the first coat diluted with 2-3% sweet water at a coverage rate of 1-1.5 Sq. mtr / liter / coat to achieve 300-400 mic DFT. It is recommended to apply DFT of 600-800 mic.
- Apply 2nd and 3rd coat without dilution to achieve film thickness 2-3 mm
- Allow to dry overnight between successive coats.

Drying time

The curing period will depend on the coat thickness, climatic conditions etc. Please ensure that the coating is fully dry and cured before exposure to rainfall and water.

Typical paint system

1 coat x Berger Range of Primer
2 - 3 coats x Select Flexidex LE

Precautions & Limitations

- Do not dilute except when used as a primer.
- Do not apply during rain or extreme temperatures.
- Protect from rain for minimum 48 hours after application
- Avoid abuses which may lead to puncturing of membrane
- Ensure that the product is applied at least 6 inches inside the drain pipe.

Storage and safety information

- Storage: Store in cool, dry condition.
- Disposal: Dispose as normal paint e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.
- Flash Point: N/A
- Shelf Life: Up to 12 months
- Safety precautions: Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.
- Refer to MSDS for safe handling & application of this product.

Health & Safety Features

- As with all chemical products, caution should always be exercised.
- Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions).
- Treat any splashes to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.
- No added Lead, Mercury or Chromium compounds
- Kindly refer to the MSDS for Asian Paints SmartCare Flexidex which gives detailed information on safety measures while handling the paint, which is available on request.

First Aid

Eyes: In the event of accidental splashes, flush eyes immediately with warm water and obtain medical advice.

Skin: Wash skin thoroughly with soap and water, or with an approved industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.

Note: The information supplied in our literature or given by our employees is based on extensive experience and, together with that supplied by our agents or distributors, is given in good faith to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of work, we accept no liability for any loss or damage which may arise as a result thereof.

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