

Thermocrete™ AcryFlex Pro

High Performance Flexible Acrylic waterproofing Membrane.

Description:

Sterling® ThermoCrete™ AcryFlex Pro is a prepackaged factory quality controlled, One Component, High performance Flexible waterproofing Membrane that cures into a tough elastic waterproofing film supplied for ready-to-use, pre-weighed Packs.

Sterling® ThermoCrete™ AcryFlex Pro is specially design used for waterproofing of roofs , walls, gutters and structure like concrete & mortar, steel and zinc, metal and masonry, Applied in a thick layer, the coating forms a waterproof, flexible film which adapts to the surface changes caused by tension or expansion and cost effective solution for positive waterproofing of concrete roofs.

Application Includes:

Sterling® ThermoCrete™ AcryFlex Pro is recommended as exposed waterproofing membrane to flat and pitched roof for residential & commercial structures, to terminate around pipes, conduits and for continuity of sheet membranes onto parapet walls etc.

Designed for prevent water seepage on;

- External walls
- Metal roof & gutters
- Roof tiles
- As reflective top coat on compatible exposed roofing materials.
- For old and new structures Re-roofing.

Features & Benefits:

- Water based, environmentally friendly.
- Ability to bridge cracks.
- Can be tiled over successfully.
- Protect concrete against carbonation and attack from pollutants.
- Foot trafficable.
- Compatible with most materials like Bitumen and Polyurethane products.
- Prevent corrosion of metals.
- Withstand strong ultraviolet rays.
- Remains flexible over wide range of substrates.

Dosage:

When used for priming of pump, a 125 gm. Pouch pack of Sterling Prime-O-Pack is to be added to 75-80 Ltr of water, producing slurry of desired consistency for priming 60-65 meter length of pipeline.

When used as a pumping aid for stiff mixes, a 125gm. Pouch pack of Sterling Prime-O-Pack is to be added to 1-5 cubic meter of concrete. It is always recommended for doing prior testing of the same before adding to concrete to get desired result in terms of workability and strength.

Application Instructions:

Surface Preparation

The surface must be sound and free from irregularities, sharp projections, loose particles, oil, grease, coating, moss, mold and any foreign matter. Roofs should have sufficient cleaving to avoid ponding on the finished membrane surface. Any voids or potholes in the substrate must be approximately filled up with a TechFin® high strength repair mortar. The entire area must be cleaned to remove dust and dirt. Allow the surface to dry thoroughly.

Priming:

Prime substrate with **TechnoSeal® FlexiPrime** at the rate of 5-7m² per litre depend on substrate condition, prior to **Sterling® ThermoCrete™ AcryFlex Pro** application.

Mixing:

Stir product to an even smooth consistency before use.

Typical Properties at 23°C & 50% RH

Appearance	White, Grey, Green
Bulk Density	Approx. 1.25kg/litre
Solid Content	Approx. 60% by weight
Ultimate Elongation	> 200%
Ultimate Tensile Strength	> 6 Mpa
Adhesion Strength	> 2.5N/mm ²
Shore A Hardness	> 60
Drying Time	24 hours depending on temperature and RH
Application & Service Temperature	5°C to 50°C

Storage & Shelf Life:

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +10°C to 30°C.

Packaging:

Sterling Prime-O-Pack is supplied in 125 gram X 50 pouch box packing.

Limitations/Cautions:

As a general rule, when using any pump priming materials, the first portion of concrete that is discharged from the hose will typically have a higher mix water content than the remaining concrete, which can be detrimental to surface critical pours like precast columns or panels. This initial concrete discharge should therefore be discarded or used in only non-critical applications. For priming horizontal runs, **Sterling Prime-O-Pack** will tend to coat primarily only the lower section of the line, so STIPL recommends the use of a rubber priming ball to allow even and complete coverage of the entire line. For priming long runs of pipe or hose, **Sterling Prime-O-Pack** should be diluted with an extra volume of water to make it thinner and to avoid possible plugging.

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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Health & Safety Instructions:

Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person. Wash hands thoroughly after handling. Wear protective clothing, gloves & eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations. Keep container closed when not in use. Keep out of the reach of children. Please contact with Sterling Technotrade's technical service department for further information and support.

Additional Information: Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

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