



HYDROFIN® 2K

Two-component Flexible Acrylic Polymer Modified Cementitious Waterproofing Slurry System.

Description:

HydroFin® 2K is a premium quality acrylic cementitious, polymer-modified elastomeric, waterproofing & protective coating consisting of special type of cement, graded fillers, hydrophobic agents, high-quality polymers emulsion and chemical additives. When the powder part is mixed with the emulsion part, it readily blends to produce a flexible slurry coat for outdoor and indoor applications for waterproofing of both structural and architectural elements and after hardening, an elastic, watertight membrane with excellent crack-bridging capability and weathering resistance. It is resistant to chlorides, CO₂, de-icing salts.

HydroFin® 2K maintains good bonding to all cementitious based substrates or brickwork. It can be applied to damp surfaces without affecting its waterproofing performance. It is compatible with most of the coverings to be applied over it as layers and, if required, can be applied as a multiple coating to build up thicker layers to be further effective.

Application Includes:

HydroFin® 2K is designed to be used as an effective waterproofing membrane on a variety of substrates.

Typical Applications include:

- Water-retaining structure
- Any concrete, cement or masonry surface that is subjected to damage from moisture.
- Swimming pools, water tanks and reservoirs.
- Concrete roofs up to 100-150 m², basements, lift pits, chhajjas, canopies, etc.
- Concrete foundations.
- Waterproofing under tiles or other coverings (e.g. micro cements) in balconies, terraces, baths, showers, etc.
- Concrete roofs of areas up to 100-150 m²

Features & Benefits:

- HydroFin® 2K is an excellent waterproofing membrane.
- Excellent adhesion to substrate. Bonds to both porous and non-porous surface.
- Allows water vapour from the interiors of the substrate to come out i.e. breathable.
- It is non-toxic thus Suitable for drinking water use.
- It is chloride free hence does not affect RCC
- It gives a dry film thickness of 1mm thick which provides excellent anti-carbonation property.
- It is resistant to atmospheric carbon dioxide and chloride ion diffusion.
- Brushable consistency- Easily applied by brush or spray.

Packaging:

Sterling™ FlowMax® 9036 is available in 225 Kg plastic container.

Workability:

Sterling™ FlowMax® 9036 ensures that rheoplastic concrete remains workable in excess of 2 hours at 25°C. Workability loss is dependent on temperature, and on the type of cement, the nature of aggregates, the method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot, windy and dry climates.

Consistency:

Sterling™ FlowMax® 9036 is formulated from carefully selected raw materials and is manufactured under controlled strict quality condition to produce a consistent product.

Dosage:

The optimum dosage of Sterling™ FlowMax® 9036 should be determined by site trial with the particular concrete mix. As a guide, a dosage range of 0.5% to 1.5% per 100kg of cementitious material is recommended. This dosage range applies for most concrete mixtures using typical concrete ingredients. However, variations in job conditions and concrete materials, such as silica fume, may require dosages outside of the recommended range.

Effects of overdosing:

Overdosing of Sterling™ FlowMax® 9036 may result into segregation / bleeding of mix, delayed initial, final set, increased plastic shrinkage and air-entrainment, etc.

Typical Properties at 25°C

Appearance	Pale yellow free flowing liquid
Specific Gravity IS 9103:2007	1.05 ± 0.02 at 25°C
Chloride content	< 0.2%
PH Value	> 6
Standard	Complies with IS 9103:1999, and ASTM C-494 Type G

Storage & Shelf Life:

Sterling™ FlowMax® 9036 has a shelf life of 12 months if kept in dry store in its original packaging. High temperature and humidity storage may reduce this period.

Method of use:

Sterling™ FlowMax® 9036 is supplied ready for use. For maximum dispersion throughout the mix, measured quantity of Sterling™ FlowMax® 9036 should be added directly into the mixer at the same time as the mixing water. Sterling™ FlowMax® 9036 Admixture should not be added to the dry cement or mix.

Health & Safety Instructions:

Sterling™ FlowMax® 9036 is formulated from chemicals which present no fire or health hazards. Does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

***Further protection:** emergency showers and eyewash stations. Get immediate medical attention as needed.

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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.

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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