



STARSHIELD

— Cementitious Waterproofing —

TSCW 8808

PRODUCT DATA SHEET

Product Description

StarShield Cementitious Waterproofing is a permanent, cost-effective, long-life flexibility waterproofing system for foundations, roofs, pools, and façades. StarShield performs excellently in areas with extreme climatic conditions. It is versatile with superior bondability with new and old surfaces of concrete, bitumen, and tiles. Application can be done by brush or spray; it is so stable that, after drying the uncovered area can be walked upon. It also shows high resistance to chemical degradation, atmospheric pollution, UV rays, and fire. StarShield is a two component – powder (cement based) and resin (acrylic based) – system, which can be mixed on site. Mixing in different ratios will produce different degrees of flexibility, and render the compound usable for various purposes.

Its Resin is made from concentrated acrylic resins, highly resistant to UV rays, and alkalinity. The resin system is permanently flexible and can be mixed with cement and cement-based materials in various proportions. It is also very suitable as an additive to mortars and screeds to increase their tensile, compressive, and fracture strengths and reduce their water cement ratio. The Powder is based on special cements, finely-graded fillers, and damping and adhesion promoters.

StarShield extends the following unique advantages: It provides a one-time waterproofing; it is abrasion and scuff resistant; since it is non-toxic it can be used in tanks and water containers; it has excellent weather resistance and inherent adhesiveness including to mortars; it breathes; and fills cracks in surfaces of application. It can be used in waterproofing application for all building surfaces including retaining walls, swimming pools, planters, wet room floors, water tanks, roofs, façades, and foundations.

Method of Application

Preparation: Remove dust, dirt, oil patches, protrusions, ridges, and foreign matter from the areas to be coated. Areas which are dusty or show flaking must be brushed thoroughly, and then primed with StarBond Penetrating Primer.

Mixing of Powder and Resin (and water if required) should be done in the ratios provided below. Use a high speed mixer or powered agitator to achieve a smooth, homogenous mix. If method of application is spraying, add sufficient water to get exact consistency. All mixed material should be used within one hour.

Application: StarShield can be applied using roller, brush or by spraying. Every coat should be allowed to dry before applying next layer.

	Waterproofing–Flex-coat	Waterproofing–Flex-slurry	Waterproofing–Flex-screed
Resin	1	1	1
Powder	2	3	4
Water	0	0.2	0.5

Tools and equipment should always be cleaned out with water to ensure smooth re-use.



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Health & Safety

Prolonged contact with eyes and skin is not recommended. Always wear protective eye-gear and overalls. Avoid any ingestion. Detailed information is given in the MSDS.

Packing & Storage

Resin is supplied in 5kg jerry can. Powder is supplied in 20kg paper bags.

Store in a clean, dry place. Always avoid completely direct sunlight and extremes of heat and cold, especially frost. As long as the containers remain sealed, usage up to 12 months is possible. Always follow first-in-first-out policy.

Product Technical Data

Product	StarShield cementitious double component acrylic waterproofing
Binder	Hydraulic (for powder) and organic (for resin)
Fillers	Finely-graded, crushed fillers
Dilution	With water if required
Colour	White & Grey
Drying Time	3 hours in normal weather and conditions
Specific Gravity	1.8 (when resin and powder is mixed in 1:2 ratio)
Consumption	1.5kg/m ² /1mm
Storage	12 months in sealed original container in frost free ambience
Packaging	Resin: 5kg jerry can; Powder: 20kg paper bags

TRIMIX offers a complete range of products for spray plastering and all-surface finishing.

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