



032-195-2816
Environmentally
Preferred Coating

KISTAL 8

Cementitious Crystalline Waterproofing (Dryshake/Coating)

DESCRIPTION

KISTAL 8 is a cementitious crystalline system that imparts waterproofing properties to concrete structures effectively and efficiently by the following methods;

1. Dry shake (fresh concrete)
2. Wet application (hardened concrete).

Its unique and in-depth penetrating properties ensure crystallization process to be activated even deep into the concrete mass by either of the methods, thereby creating a long-lasting and durable water-tight structure.

RECOMMENDED USE

- Basement
- Dams
- Driveway Slab
- Environmental Deck
- Fresh Concrete (Dry Shake Method)
- Ground slab and suspended slab
- Lift Pit
- Marine and other water retaining structures
- Ponds
- Potable Water Tank
- Precast structures
- Raft foundation and retaining walls
- Reservoirs
- Roof and Roof Terrace
- Swimming Pool and Water Feature
- Tunnels and pipelines
- Pile head

ADVANTAGES

- Able to withstand high hydrostatic pressure; >7 bars.
- Can seal hairline cracks/ static cracks up to 0.4mm.
- Cost saving on labour with dry-shake method – with proven records while being used as part in a dual-system waterproofing specification.
- Deep penetration into concrete structures, effective even with being applied on the negative side from the water source.
- Economical and simple to apply compared to other systems.
- Effective when applied both internally or externally.
- Non-toxic. Complies with SS375: 2001 – Potable water.
- Protection of concrete against aggressive chemicals including chloride attack to reinforcement steel from corrosion.

REV. TDS-K8-V3
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KENSETSU INTERNATIONAL (S) PTE LTD



PACKAGING

KISTAL 8 is supplied in 20 kg bags

APPLICATION GUIDELINES

By Coating Application

a) Surface Preparation

- Surface must be clean and free of voids, loose materials, oil grease, curing compounds, sealers and any foreign matters.
- All crack-lines, holes, honeycomb or unsound surface must be patched and repaired with KISCRETE 1.
- Surface must be pre-water (dampened) prior to application of KISTAL 8.

b) Mixing

Mix by adding KISTAL 8 into 8 liters of clean water slowly under a constant agitation. All mixture must be used within 15 minutes. If setting of the mixture has occurred in the container, do not add water to regain workability, instead discard all materials and use fresh materials.

c) Application

- Apply the mixed KISTAL 8 compound with spraying equipment, brush or roller onto the receiving surface.
- The recommended application is 0.75kg/m² per coat.
- When KISTAL 8 is applied in two coats, apply the second coat when the first coat has cured.

d) Post Treatment

- After KISTAL 8 system has set, it is recommended to apply moisture to the surface 3 times daily to the surface for 3 consecutive days.

By Dry Shake Method

a) Surface Preparation

- Surface must be clean and free of voids, loose materials, oil grease, curing compounds, sealers and any foreign matters.
- If a rapid loss of water in the fresh concrete is expected due to weather or other factors, suitable protection to the surface to prevent “drying-out” is necessary before applying KISTAL 8.

b) Application

- Spread KISTAL 8 dry powder uniformly over the area at 1.5kg/m² with a spreading equipment or manual means.
- Trowel or power-float KISTAL 8 into the concrete.
- For special treatment to areas such as construction joints, please consult representative from Kensetsu International.



c) Post Treatment

- After KISTAL 8 system has set, it is recommended to apply moisture to the surface 3 times daily to the surface for 3 consecutive days.

STORAGE

KISTAL 8 should be stored in a cool and dry area, tightly sealed in its original packing, and a 12-month shelf life can be expected from date of manufacturing.

HEALTH & SAFETY

Gloves and goggles should be worn. Any contact to the eyes and skin should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Powder products should be handled to minimize dust formation. Use a mask if excessive dusting is unavoidable. Refer to KISTAL 8 SDS for further information.

TECHNICAL PROPERTIES

KISTAL 8	
Appearance	Powder
Colour	Grey
Pot life (coating application)	15 minutes
Toxicity (SS 375:2015)	In compliance to
Water penetration (DIN 1048, Part 5)	<20mm
Water permeability	<5.0 x 10 ⁻¹²

IMPORTANT NOTES

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/or suggestions made by the company representatives, agents and/or distributors.

All information contained in this document is effective from date shown and supersedes all previous version. Please check with your local KENSETSU office to confirm that this is up to date version.

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