KingPlast® ST75

Ready to use silicate based finish coat for external and internal application.

DESCRIPTION

KingPlast ST75 consists of silicate, mineral fillers, cellulose fibers, pigments, polymers, rehological additives and water. It is applied as a thin layer protective and decorative wall covering for internal and external application. It is a ready to use product that can be applied by trowel floating or spray to produce various types of textures and finishes.

APPLICATIONS

- Wall coverings external and internal.
- Decorative textured finishes.
- As a component of the KingPlasst system (ETICS).

ADVANTAGES

- Hydrophobic.
- Weather resistant for durable system.
- Highly vapour permeable allowing concrete or substrates to breath.
- Good thermal characteristics.
- Variety of decorative textured finishes.
- Variety of colors.
- Nonflammable.
- Easily cleaned.

COMPATIBILITY

KingPlast ST75 complies with the requirements of ETAG 004.

METHOD OF USE

Substrate Preparation

Surfaces shall be sound, dry and clean from all contaminants. Lightly abrade the substrate using mesh 60 grade sand paper to remove laitence. The application of this system is not suitable on gypsum based plaster, plastic and resin paints, varnish and oil-based paints, old water based paint and lime paint.

Prime the substrate using KingPlast Primer using a shorthair lamb whool roller or a soft brush at a rate of 5 - 8 m² per litre.

KingPlast Primer should be used as a bonding agent and a balancing pH system between the different substrates and the silicate plaster. This primer is a water- based system consisting of styrene copolymer binder. It also helps in the uniformity of coloration of the final coat.

After priming, at least 24 hours are needed before applying the silicate plaster.

TECHNICAL PROPERTIES

Appearance:	Pasty liquid with different grain sizes
Density:	1.7 ± 0.15 depends on texture type
Bond with substrate: EN1542	≥ 0.35 MPa
pH: EN ISO787-9	10 - 11
Thermal conductivity: EN1745	0.7 ± 0.05 w/mk
Water absorption: EN1062-3	0.4 ± 0.05 kg/m².h0.5 (category W_2)
Water vapour transmition: EN ISO7783-2	130 ± 20 g/m².d (category V_2)
Durability against Freeze thaw:	Passes (Category W_2)
VOC passing leed requirements:	≤ 40 g/ltr
FOR KINGPLAST PRIMER:	
Appearance:	Pasty liquid with fine aggregates comes in different colours
Density:	1.45 ± 0.05
pH:	8 - 9

PRODUCT GRADES AND TEXTURES

KingPlast ST75 comes with two different systems which is related to the final desired finish.

T type: is the normal textured uniform system; where the largest grain size appears uniformally on the whole finish.

The T type comes with different large grain sizes which reflects in the final thickness.

S type: is the scratch type finish, where a selected large grain particles will be spreaded in the finish and gives a randomly scratch effect on the finish. The size of these large grains effect on the thickness of the applied layer.

The following table summarizes the system:

KingPlast® ST75

Ready to use silicate based finish coat for external and internal application.

STRUCTURE	MINIMUM THICKNESS (MM)	THEORETICAL CONSUMPTION (KG/ m^2)
T1	1	1.8
T1.5	1.5	2.5
T2	2	3.4
T3	3	5
S1.5	1.5	2.6
S2	2	3.5
S3	3	4

MAINTENANCE

To overcoat KingPlast ST75 use either KingPlast ST75 or KingPlast SN75 protective coatings as per recommendations of respective technical data sheets.

PACKAGING

KingPlast ST75 is available in 10 kg buckets and 25 kg pails. KingPlast Primer is available in 18 litre pails.

STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory-controlled tests.
® = Registered trademark of the KingKrete-Group in many countries.

Ref: KK-10068-MEA-R01 | Issue: 01.2026

KingKrete Middle East
Qatar – Syria
www.kingkrete.com

Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet