

# KingPlast<sup>®</sup> SN75

Ready to use, silicone based decorative plaster for internal and external application.

## DESCRIPTION

KingPlast SN75 is a highly flexible ready to use, thin-layer decorative plaster for internal and external applications. KingPlast SN75 consists of a unique composition of silicone, mineral fillers, cellulose fibers, pigments, polymers, and water that provides a superb quality decorative plaster can be easily applied by trowel on concrete or cement based substrates to produce a decorative finishing coat with excellent resistance to water and weather conditions for optimum durability.

KingPlast SN75 is available in wide range of attractive colours and textures that provide a uniform and stable decorative appearance.

## APPLICATIONS

- 🔧 To create a decorative textured finishing on building facades externally.
- 🔧 Walls and partitions covering internally.
- 🔧 As a final layer of the External Thermal Insulation
- 🔧 Composite System (ETICS) from KINGKRETE.

## 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.
- 🔧 Non-flammable.
- 🔧 Easily cleaned.
- 🔧 Environmentally friendly.

## COMPATIBILITY

KingPlast SN75 complies with the requirements of ETAG 004.

## METHOD OF USE

### Surface Preparation

Surfaces shall be sound, dry and clean from all contaminants.

Lightly abrade the substrate using mesh 60 grade sand paper to remove laitence.

## TECHNICAL PROPERTIES @ 25°C:

Appearance:	Pasty liquid with different grain sizes
Density:	1.7 ± 0.1 g/cm <sup>3</sup>
Bond strength on concrete: EN1542	≥ 1.5 MPa Substrate failure
pH: EN ISO787-9	10 - 11
Thermal conductivity: EN1745	0.7 ± 0.05 w/mk
Water absorption: EN1062-3	≤ 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup> (Class III, Low)
Water vapour transimtion: EN ISO7783-2	≥ 150 g/m <sup>2</sup> .d (Class I, High)
Durability against Freeze thaw:	Passes
VOC:	≤ 40 g/ltr Complies with LEED

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 m<sup>2</sup> per liter.

KingPlast Primer should be used as a bonding agent and a balancing pH system between the different substrates and the silicone 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 silicone plaster.

## PACKAGING

KingPlast SN75 is available in 10 kg buckets and 25 kg pails.

KingPlast Primer is available in 18 liters packs.

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## PRODUCT GRADES AND TEXTURES

KingPlast SN75 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 uniformly 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:

STRUCTURE	MINIMUM THICKNESS (mm)	THEORETICAL CONSUMPTION (KG/m <sup>2</sup> )
T 0.5	0.5 - 1.0	0.8 - 1.6
T 1.0	0.7 - 1.2	1.2 - 2.0
T 1.5	1.5 - 2.1	2.5 - 3.6
T 2.0	2.0 - 2.5	3.3 - 4.1
T 3.0	2.5 - 3.0	4.3 - 5.2
S 2.0	2.0 - 2.5	3.4 - 4.3
S 3.0	2.5 - 3.0	4.3 - 5.1

## 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 manufacturing facilities are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

\* Properties listed are based on laboratory-controlled tests.

® = Registered trademark of the KingKrete-Group in many countries.

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.