

# KingPlast AC75<sup>®</sup>

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

## DESCRIPTION

KingPlast AC75 consists of acrylic binders, mineral fillers, cellulose fibers, pigments, polymers, rheological 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 Probuild CS101 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 colours.
- 🔧 Nonflammable.
- 🔧 Easily cleaned.

## COMPATIBILITY

KingPlast AC75 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. KingPlast AC75 system can be applied on new or old surfaces of pre-cast concrete, normal concrete, normal cement/lime based plaster, aerated concrete, and gypsum plasters. The application of this system is not suitable on plastic and resin paints, varnish and oil-based paints.

Prime the substrate using KingPlast Universal Primer using a shorthair lamb wool roller or a soft brush at a rate of 5 - 8 m<sup>2</sup> per litre.

## TECHNICAL PROPERTIES @ 25<sup>0</sup>C:

|  |   |
|--|---|
| Appearance:                            | Pasty liquid with grain sized fillers                                     |
| Density:                               | 1.85 ± 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/m <sup>2</sup> .h <sup>0.5</sup> (category W <sub>2</sub> ) |
| Water vapour transimtion: EN ISO7783-2 | 60 ± 20 g/m <sup>2</sup> .d (category V <sub>2</sub> )                    |
| Durability against freeze thaw:        | Passes (Category W <sub>2</sub> )   |
| VOC passing leed requirements:         | ≤ 40 g/ltr  |
| <b>For KingPlast Universal Primer:</b> |   |
| Appearance:                            | Pasty liquid with fine aggregates comes in different colors               |
| Density:                               | 1.45 ± 0.05   |
| pH:                                    | 8 - 9   |

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

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

### Application

Before the application, KingPlast AC75 is thoroughly stirred using slow speed agitator. If needed small amount of water can be added to ease the workability (this action should be checked and controlled).

The material is applied with steel trowel or spray and sprayed to a thin layer. And different textures are obtained especially if a floating trowel is used where the working action can be done in circles, horizontally or vertically.

## MAINTENANCE

To overcoat KingPlast AC75, Repcoat FF can be used.



# KingPlast AC75<sup>®</sup>

## PACKAGING

KingPlast AC75 is available in 10 kg buckets and 25 kg pails.

KingPlast Universal 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 Qatar facility 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.

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## STATEMENT OF RESPONSIBILITY

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