KingCoat ® A50

Water based high performance acrylic protective and decorative coating.

DESCRIPTION

KingCoat A50 is a ready for use, single component, acrylic based coating for external and internal applications over variety of concrete and masonry substrates. KingCoat A50 exhibit excellent long term weathering and UV resistance.

APPLICATIONS

KingCoat A50 provides excellent protective and decorative fair face coating which can be used for a wide range of applications including:

- Retaining walls.
- Bridge abutments.
- External concrete of storage tanks.
- Multistory buildings and villas.
- Pre-cast elements and concrete cladding.
- Commercial and Industrial complexes.

ADVANTAGES

- Protective barrier against chloride ions, carbon dioxide and water.
- Durable - highly resistant to UV rays and weathering.
- Good impact resistance.
- Available in a wide range of decorative colours.
- Single component.
- Colour stable.
- Matt finish helping to hide irregularities.

METHOD OF USE

Surface Preparation

Surface preparation is very important to get the best performance; any surface to be coated must be clean, sound and free from oil, grease, curing compound, or any contamination. Any contaminants should be removed by light grit blasting.

Surfaces containing slight surface imperfection or blow- holes should be filled with a skim coat of cementitious repair mortar such as Cemfair PF. Deep defected areas should be repaired with cementitious products from KINGKRETE- Repair range.

TECHNICAL PROPERTIES

Colour:	White, grey, buff, brown & many other colours
Density:	1.35 ± 0.05 g/cm^3
Volume solid:	35 ± 5%
Solid content:	50 - 55%
Overcoating time:	1:30 hr @ 35°C 2:00 hr @ 25°C
Touch dry time:	25 min
Flexibility (bend test): ISO 1519	Pass (Using 25 mm mandrel)
UV resistance: (@ 400 hr cycles) ASTM D4587	Pass
Particle size using hegman gage: ASTM D1210	32 ± 5 micron
Application temperature:	5 to 45°C
Carbonation Resistance: EN13295, 14 days (exposure to 10% CO_2)	≥ 85% reduction in carbonation depth against control
VOC:	< 50 g/ltr

Application

It is recommended to apply two coats of KingCoat A50 at the stated rate of application.

The first coat can be diluted by up to 15% with clean water depending on the surface porosity.

The second coat can be applied within 2 hours depending on the ambient temperature. Coating can be carried out using airless spray machine, brush, or roller.

CLEANING

Tools and equipment can be cleaned with water when product is still wet. Dried KingCoat A50 can be removed with KINGKRETE Solvent.

PACKAGING

KingCoat A50 is available in 5 & 18 litre drums.

COVERAGE

0.23 - 0.29 litre/m²/coat to give between 80 - 100 micron DFT.

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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.

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