

KingExtra[®] PG30

High performance powder pigment with excellent tinting strength.

DESCRIPTION

KingExtra PG30 is a high-quality inorganic oxide pigment in powder form specially designed to provide a highly durable and colour stable esthetic appearance for concrete and cementitious mixes.

APPLICATIONS

KingExtra PG30 can be used to provide an aesthetic and colour appearance in the cement and concrete industry in different applications such as:

- 📏 Concrete cladding.
- 📏 Concrete paver and interlock.
- 📏 Roof tiles.
- 📏 Cementitious plasters.

ADVANTAGES

- 📏 Excellent tinting strength.
- 📏 Excellent resistance to lime and alkali.
- 📏 Weather and UV stable.
- 📏 Provides an excellent colour consistency.
- 📏 Easy to use.

METHOD OF USE

KingExtra PG30 should be pre-mixed with aggregate firstly for around 30 seconds before adding the cement and mixing for a further 30 seconds. Otherwise, the mixing process to be done in the same manner of unpigmented concrete.

Mixing time plays an important role to achieve a uniform and consistent colour, and it depends on the type of mixer that will use. In general, for forced action mixers, mixing time should not be less than 2 minutes.

DOSAGE

The optimum dosage of KingExtra PG30 depends on several factors including but not limited to the desired colour degree, the colour of cement and aggregate, presence of other additives in the mix and others.

The guidance dosage of KingExtra PG30 is 2 - 5% of the cement content in the mix. However, it is necessary to conduct several trials to determine the optimum dosage of KingExtra PG30 to meet the performance and colour requirements by using the materials and conditions in the actual site.

TECHNICAL PROPERTIES

| | |
|----------------------------------|---|
| Appearance: | Fine powder |
| Colour: | Red, black, yellow and other |
| Tinting strength: | ≥ 90% |
| Water soluble content: ISO 787-3 | 0.3 - 1.6% Depending on the colour |
| Sieve residue on 0.045 mm: | 0.03 - 0.12% Depending on the colour |
| pH value: ISO 787-9 | Minimum 3.5 Maximum 8 |
| Bulk density: ISO 787-10 | 4.5 ± 0.5 g/ml |

CLEANING

Remove any spillage of KingExtra PG30 by wet (i.e. clean water) or dry methods.

PACKAGING

KingExtra PG30 is available in 15 kg bags.

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.



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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

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.

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