



K-Grout CG

Cementitious post tensioned cable Grout.

DESCRIPTION

K-Grout AG is a pre-mixed cementations high performance, fluid cementations grout with extended working time and shrinkage compensation system.

USES

- Post stressed structural element cable ducts
- Post tensioned bridge deck ducts
- Anchor bolts

ADVANTAGES

- Premixed ready to use
- High flow
- High early strength
- Excellent bonding to steel
- Chloride free

PHYSICAL PROPERTIES*

PROPERTY	TYPICAL RESULTS
Compressive strength	>70 MPa
Flexural Strength	>9 MPa
Appearance	Grey powder

*The above properties are average laboratory values

PACKAGING

K-Crete Epoxy FC is available in 25 kg bags.

SHELF LIFE

12 months when stored in factory packed unopened pack, stored in a cool dry and elevated place away from direct sunlight.

THEORETICAL COVERAGE RATE

Approximately 12 - 13 liters when mixed with 4.8 to 5.6 liters of clean water for 25 kg bag.

Flow rate

Gap depth	100mm head	100mm head
10mm	1.0 m	2.5 m
20mm	2.0 m	3.0 m
30mm	2.5 m	3.0 m
40mm	3.0 m	3.0 m

INSTALLATION GUIDELINES

Kenal provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

PREPARATION

All substrates must be structurally sound. Loose or unsound substrate should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits.

The area to be grouted should be flooded with fresh water several hours before the application process. And the excess water present should be removed prior to the grouting.

The cable ducts should be thoroughly cleaned, the ducts formed without metal sheaths should be cleaned with water and excess water should be removed. The anchorages in the cable should be sealed before the duct grouting is carried out.

PRIMING

The substrate must be primed using clean water and not allowed to dry out, prior to application.

MIXING

K-Grout CG is supplied as a single component cementitious product. Pour 4.8 to 5.6 liter of clean water into suitable clean container and slowly add the product while mixing with low-speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve homogenous consistency.

APPLICATION

The mixed grout should be placed within 20 minutes after mixing.

Pumping the mixed product is done from a single point to eliminate any chances of air entrapment. It is recommended to use a heavy-duty diaphragm pump for pumping purpose.

CURING

Apply one coat of **curing agent** to the exposed grout areas after removal of any formwork and initial hardening of the product.

PRECAUTIONS

- Do not add additional water or re-temper the mix. Ensure the product should not be exposed to extreme temperatures or direct sunlight.
- During hot weather condition, use ice cold water for mixing.
- Do not apply in rain or wet conditions or at temperature below 5°C.
- Do not expose to running water or dampness or humid atmosphere.

TECHNICAL SUPPORT

Kenal offers full technical support package to specifiers, contractors and end users as well as technical assistance on site and after sales consultations.

HEALTH & SAFETY

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.