

## **K5FLOWGROUT ULTRA** **FLOW RETAINING, HIGH STRENGTH,** **NON SHRINK CEMENTITIOUS GROUT**

### **BENEFITS**

- Prepacked, factory controlled consistent material needs only addition of water, - Retain the flow for a longer time.
- Which facilitate pouring (application).
- Even at high temperature flow does not get affected.
- Shrinkage offset by expansion to ensure that original volume is retained.
- Free flowing, self leveling grout.
- Easy placement and filling of under base of machinery.
- Non metallic and chloride free.

### **PRODUCT**

A single pack ready to use, ultra high strength, free flowing, non shrink grout. **K5FLOWGROUT ULTRA** is a blend of specially processed cement and special fillers, free from corrosive substances and additives.

### **USES:**

Bolt pockets and base plate grouting of all equipment, Crane, stanchion bases and all type of machinery with dynamic load.

### **DESCRIPTION**

**K5FLOWGROUT ULTRA** is based on specially processed cement containing fillers and additives. **K5FLOWGROUT ULTRA** is supplied as ready to use grout requiring addition of precise quantity of water at site (3.750 to 4 Litre/25 Kg Grout). **K5FLOWGROUT ULTRA** is suitable for gap widths of between 10mm - 50mm. For width less than 10mm **K5FLOWGROUT ULTRA** can be used (see separate data sheet for more information) for thickness in excess of 50mm. (say 75-100), cleaned washed 10mm aggregates can be incorporated at the rate of 50% - 100% of the quantity of grout used.

## **PROPERTIES**

The water needs to be precisely measured and 25 Kg of **K5FLOWGROUT ULTRA** will require 3.75 litre for pourable consistency (W/P - 0.15) and 4 litres for flowable consistency (W/P - 0.16). **Yield per 25 Kg** : 12.5 litres approx, **Pourable Life** : 60 minutes **Application temp.** : 10 °C to 40 °C; **Expansion (% Vol)**: 0.8 to 1.5%. **Flow Behaviour** : Tested as per BS : 4551 Part - , 1980)W/p ratio = 0.16 (flowable consistency).

## **TYPICAL FLOW PROPERTIES**

### **W/P RATIO .16**

<b>Time</b>	<b>0min</b>	<b>30 min</b>	<b>45 min</b>
<b>FLOW</b>	<b>24cms</b>	<b>22cms</b>	<b>20cms</b>

## **TYPICAL STRENGTH DEVELOPMENT:**

<b>AGE IN DAYS</b>	<b>COMPRESSIVE STRENGTH IN Kg/cm2</b>	
	<b>POURABLE W/P=0.15</b>	<b>FLOWABLE W/P=0.16</b>
1	<u>325</u>	<u>275</u>
3	<u>400</u>	<u>385</u>
7	<u>550</u>	<u>500</u>
28	<u>750</u>	<u>710</u>

## **YIELD**

One pack of **K5FLOWGROUT ULTRA** will approximately 12.5 litres of grout when mixed with specified quantity of water.

## **CURING**

3-4 hours after grouting, all exposed areas must be cured with wet hessian cloths (keep wet always) or water ponding wherever possible for minimum 7 days. [Separate application details are available on request].

### **PACKING & SHELF LIFE**

1 25 Kg. **K5FLOWGROUT ULTRA** is supplied in lined HDPE bag | **K5FLOWGROUT ULTRA** has a shelf life of 6 months, if stored in a dry enclosed area in unopened bags.

### **HEALTH & SAFETY**

**K5FLOWGROUT ULTRA** is non-hazardous. However, inhalation of dust should be avoided while handling. In its wet state, if contact with eye occurs, wash well with clean water. All equipment & tools must be rinsed with water immediately after use and then dried.

### **QUALITY ASSURANCE**

Krishna manufactures entire range of construction chemicals under compliance of ISO 9001-2000,

### **TECHNICAL SERVICES**

While new advances and changes will take place one thing will never change is quality and meeting special needs of customer. We are eager to work with you in development of new product and solve your problem.