

# K2 CENTREL EMRA

Concentrated and Emulsified Chemical Mould Release Agent

## Description:

K2 CENTREL EMRA is supplied as a pale amber liquid which turns white when diluted with water to produce a chemical release agent, combining the outstanding release properties of such materials with the economy of a conventional oil. It reacts with alkali in the concrete to form a thin water repellent layer on the surface of the mould which enables easy stripping from the hardened concrete.

## Area of Application:

Ideal mould release agent in ceramic industries, pavement block moulds, Brick moulds and construction form work. It can be

used on wooden, rubber & metal surfaces.

## Benefits:

- Stain Free and is free from cleaning shabby oil stains if plastering is not required.
- Produces a high quality and neat faced finish concrete and minimizes cleaning of form faces between pours.
- Effective and Versatile on all types of moulds.
- Highly concentrated and only requires water for dilution.
- Easy to store, handle and transport.

## Technical Properties:

Properties	Results
Appearance	Pale amber Liquid turn white with water.
Dilution	1 part K2 CENTREL EMRA: 4parts potable water (VN).
Specific Gravity	0.835 to 0.845.

## New Timber or Metal Moulds:

**NEW** Normally, no preparation is required.

**USED** Must be thoroughly cleaned and free from old concrete, dirt, cement laitance, old mould oil and other contaminations, using a strong detergent or degreaser.

## Application Instruction:

### SURFACE PREPARATION

- Apply the water diluted K2 CENTREL EMRA to the face of the form work by spray, brush or cloth. Only one thin coat should be applied.
- For Absorbent new timber two coats may be necessary for the first application only. Allow to dry.
- If the form work is not used for several days, a further coat may be applied.
- Excess coating could lead to surface dusting

of the concrete.

- A Fine sprayer and good quality brush present best application results.
- For cloth application, soak in the release agent and then squeeze out well before applying for thin film formation.
- K2 CENTREL EMRA should not generally be used where demoulding is necessary in 24 hours.

### MIXING PROCESS

Dilute K2 CENTREL EMRA concentrate in the proportion of 1:4 with water, using a clean container and stirring thoroughly until evenly mixed. If the emulsion is not used the same day, it should be stirred again before use and may require vigorous stirring after 5 days.

## **DRYING TIME**

- Ensure thorough drying of K2 CENTREL EMRA before placing concrete.
- In high humid conditions, drying times will be much longer.
- Protect the K2 CENTREL EMRA coating from rain.

## **DE-MOULDING**

- The De-moulding can be carried out in the normal way.
- After de-moulding form work surfaces must be thoroughly cleaned.

## **Coverage:**

- For steel surface: 140- 160m<sup>2</sup> / [1 ltr CENTRAL EMRA + 4 ltr of Water].
- For wooden surface: 80-140m<sup>2</sup>/5Liter.

## **Packing:**

K2 CENTREL EMRA is available in 27Liter & 200Liters Pack.

## **Important Note:**

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## **Shelf Life and Storage:**

K2 CENTREL EMRA has a shelf life of 12 Months in normal temperature conditions. Diluted K2 CENTREL EMRA will be stable for nearly 5 days and must be re – stirred before use.

## **Health & safety:**

Contact with skin and eyes should be avoided. Used gloves should be used when handling these products. If contact with the resin occurs, wash immediately with a strong detergent or a resin removing cream. Eye contamination must be immediately washed with plenty of water and medical treatment sought.

## **FIRE**

Flash point of K2 CENTREL EMRA is approximately 59°C.

## **Technical Support:**

The company provides a technical service supported by the team of specialist applicators in the industry.