

K5 SHUTRELEASE

Concentrated And Emulsified Chemical Mould Release Agent



Description :

K-5 SHUT RELEASE 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 the 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. It has been specially formulated to reduce or eliminate surface imperfection in pre cast, prestressed and poured in place concrete. Improve the concrete surface by reducing or eliminating surface voids and effects. Reduce need for and cost of frequently cleaning forms by reducing the concrete residue. Non-staining: can be used with white cement.

Uses :

- Use on all types of formwork to enable clean stripping of forms and provide excellent architectural finishes
- Use in all concrete construction whether "in situ", precast or prestressed
- Application to metal window and door frames to prevent adhesion of cement and mortar splashes during construction



Advantages :

- **NON-STAINING** : No cleaning of unsightly oil stains, if plastering is not required
- High coverage rate means K5 SHUTRELEASE is economical to use.
- **HIGH QUALITY FINISH** : Produces really fair-faced concrete
- **VERSATILE** : Can be used on all types of moulds
- **MINIMISES CLEANING** : Makes cleaning of form faces between pours very easy
- **CONCENTRATE FORM** : Reduces storage and transport costs
- Suitable for use with normal, off-white and coloured concrete.
- Easy to use.
- Provide a water repellent, rainproof, rust inhibiting film to the formwork
- No discolouration or blotchiness, provides stain-free, "off-form" architectural concrete finishes.



Application Instructions :

MIXING : First dilute K-5 SHUT RELEASE concentrate in the proportion of 1 litre to 5 litres of water, using a clean container and stirring thoroughly until evenly mixed. If the solution is not used on the same day, it should be stirred again before use and may require very good stirring after five days.

NEW MOULD IS TO BE : No preparation is normally necessary unless metal moulds show signs of rust, then they must be wire brushed or treated with emery cloths and finished clean before coating.

USED MOULDS : Must be thoroughly cleaned and to be made free from old concrete, dirt cement laticence, old mould oil and other contaminations. Use a strong detergent for removal of oil and grease; use SETKILENS for cement and concrete deposits.

APPLICATION OF K-5 SHUT RELEASE

Apply K-5 SHUT RELEASE 1:5 water dilution to the face of the formwork by spray, brush or cloth. Only one coat should be applied as thinly as possible except on very absorbent new timber where two coats may be necessary for the first application only and allow to dry. If the formwork is not used for several days, then only a further coat of K-5 SHUT RELEASE may be applied.

DRYING TIME : It is essential that the K-5 SHUT RELEASE coating is thoroughly dried before placing the concrete otherwise, being an emulsion, its performance may be impaired. In conditions of high humidity drying times will be much longer than in warm dry conditions.

RAINFALL : It is necessary to protect freshly coated formwork from rain which may dilute the emulsion before it was dried. After drying the coating, it will withstand an occasional light shower but may be affected by heavy or continuous rain. In such cases, a further coat is advised once surface is dried out thoroughly.

DE-MOULDING : De-moulding can be carried out in the normal way and no special precautions are necessary.

AFTER DE-MOULDING : Formwork surfaces must be thoroughly cleaned, but this is normally easy due to the excellent release action.

BEFORE RE-USE : The cleaned formwork surfaces must be recoated with K-5 SHUT RELEASE each time, in accordance with normal practice.

Packing & Coverage :

1,5,10,50,100 & 200 LTRS. , 1 litre of K-5 SHUT RELEASE is diluted with 5 litres of water to give 6 litres of solution and will cover 150 to 160 m2 depending upon the type of form work. (Coverage will be more for steelwork than the wooden form work)

Shelf Life :

36 months storage life when stored in original unopened container at between 5 °C to 45 °C in a dry and shaded place.

Health & Safety :

KCRACKSEAL is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately, do not induce vomiting.



Note :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.