

Product Data Sheet
Edition 07.2008
Identification No. RC - 2

KEMREL W

Waterbase Mould Release Agent



Description

KEMREL W is a homogeneous, water based emulsion containing a fine dispersion of petroleum wax properties having release properties, which are superior to those of conventional mould oil, **KEMREL W** is supplied as a white coloured liquid ready for direct application. The alkali reactive chemicals promote a water-repellent interface which protects both steel and timber form work whilst ensuring an even color and texture in the cast concrete. In addition to preventing adhesion of the cement, matrix to the form work, **KEMREL W** allows air, which would otherwise be trapped to escape from this air release property minimizes surface blemishes and results in a substantial reduction in remedial costs.

Where to use

To provide quick, clean and easy stripping of moulds and ensure high quality fair – faced and stain – free concrete.

Advantages

- Ensures good fair – faced concrete.
- Minimizes cleaning of shutters before re – use.
- Non – staining and economical.
- Can be used on all types of form work.
- Inhibits corrosion of steel form work.
- Safe handling.

properties

Appearance	White fluid
Emulsifier	Anionic
Wax Type	Mineral Oil
Density @ 23° C	0.98 Kg./lit

How to use

Preparation of new moulds :

No preparation is necessary but if extensive re – use of timber moulds is envisaged it is advisable to protect all new surfaces with **KEMREL W** which protects timber from alkali attack .

Preparation of used moulds :

- All traces of adherent material either concrete or previous oil deposits must be removed prior to use **PROKEM** chemical degreaser will assist in the cleaning process
- **KEMREL W** must be stirred thoroughly before use.

coating :

- **KEMREL W** can be applied by brush, sponge or conventional oil sprayer.
- **KEMREL W** should be applied in one continuous even film.

Caution:

Excessive application is uneconomical and can lead to surface dusting.

All non – absorbent surfaces require only a single application. New unsealed timber surfaces should be recoated if a delay period in excess of 48 hour is envisaged. After use the form work should be brushed or wiped clean of any excess dust prior to recoating with **KEMREL W** as previously described.

The use of **KEMREL W** minimizes the amount of cleaning required prior to re – use of the form work.

If it is necessary to remove **KEMREL W** completely for purposes of repair or resealing a strong industrial detergent should be used together with stiff brushing followed by thorough rinsing with clear water.

Theoretical Coverage :

Coverage rate is dependent upon the porosity of mould material but is normally 10 – 12 m²/kg

Packaging:

KEMREL W is supplied in 5, 20 - 200 Kg.drums .

Storage:

Shelf life at least 12 months, in original sealed containers.

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Health and Safety

- Use gloves to avoid contact with skins.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products when there is critical applications that require specific requirements.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.