

Kemrel W

Water-Base 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 Colored 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	• Kemrel W can be used: • To Provide quick, clean and easy tripping of moulds or form work. • To protect steel and wooden form work. • To obtain clean and smooth concrete surface. • Applied to steel, plastic & timber form dash work.
Advantages	• Kemrel W provides the following advantages: • Very economical as only a light film is required and environment friendly. • Minimum cleaning of shutters before re-use. • Improved finish: stain and air free fair faced concrete. • Reduces concrete contamination. • High coverage and non-corrosive to steel. • Extends the life of formwork. • Will not stain or discolor concrete.
Properties	
Appearance	White Liquid
Emulsifier	Brownish yellow
Types	Mineral oil emulsion
Density @ 23 °C	0.98 Kg/lit
VOC	3.71 g/l LEED NC-2016, IEQC 4.2, LEM
Mixing	• Kemrel W requires no mixing but adequate stirring is advisable.

Application	• 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 • Apply Kemrel W in one coat only by brush, roller or conventional spray on the clean surface. • New unsealed timber surfaces should be re-coated if a delay period in excess of 48 hours is envisaged. • After application of Kemrel W it should be allowed to dry before concreting takes place. • New formwork should be kept dry and after application, it should be protected from rain. Moulds previously treated with Kemrel W will require only light brushing. If a mould oil sprayer is used, it is important that a fine nozzle be fitted, as this should be applied in a light continuous film. If it is over applied, excess material should be allowed to drain and then carefully removed from the bottom of the mould by means of a sponge or cloth.
Cleaning	Clean all tools, equipment with warm water.
Theoretical Coverage	Coverage rate is dependent upon the porosity of mould material but is normally 10 – 12 m ² /Kg
Packaging	Kemrel W is supplied in 5 & 20 Kg. Pails or 200 Kg Drums.
Shelf life & Storage	Shelf life at least 12 months, in original sealed containers, also it must be Protect from direct sunlight, but unaffected by frost down to -10 °C
Health and Safety	• Kemrel W is non-toxic. • 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 should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.