



There are numerous variable factors influencing the selection of a mould oil, e.g. the type of clay or concrete mix, the size, shape and type of mould or form, the surface finish required and the rate of production.

TERMINOLOGY

Concrete Work is normally formed. Hence, the oil is referred to as a release agent suitable for form materials, e.g. steel, wood, plywood, hardboard etc. A release agent is applied to formwork prior to placing concrete against the form. It provides a film at the formwork/concrete interface which facilitates stripping and at the same time minimises blemishes to the concrete surface.

Clay Products are normally extruded through a die to give the required cross sectional shape. Hence, the oil is referred to as a die lubricant in the extrusion process. The die lubricant is fed into the laminates of the extruder mouth of the die under controlled pressure and feed rates to suit the application, e.g. bricks, roofing tiles, pipework etc.

DESCRIPTION/APPLICATIONS

A variety of Mould Oils is available which cover the majority of applications and ensure maximum user satisfaction.

Erdol CRA 91

A premium quality, general purpose concrete release oil incorporating additives which give an "architectural" finish with minimum patchwork when formwork is removed. Applied by brush, swab, spray or dipping.

Mould Oil 010

A concrete and clay release agent for spray application on concrete and steel moulds and especially for use on vertical steel moulds. It is also suitable for clay extrusion. It may be diluted with distillate as required. Applied by brush, swab or spray. The product may darken and take on a pink or reddish tinge over time. This colour change will not affect the performance of the product.

Mould Oil 20

A general purpose high quality concrete release agent for formwork covering a wide usage range, from ornamental work to large surface areas. It is particularly suited to the precast industry. Consists of a mineral oil base plus a "fatty" surface active release agent and is designed with a high viscosity such that it will not run off or absorb into wood and masonite formwork. Applied by spray, brush or swab at a rate of 65-75 sqm. per 4 litres.

Mould Oil 22

A concrete release oil for steel and plastic moulds with effective coverage by spray application.

Mould Oil 275

A product similar to Mould Oil 3, but more highly concentrated.

Mould Oil 3

A low viscosity die lubricant for clay extrusion (bricks, tiles, pavers and pipes) and a release agent for concrete. It prevents pick-up of clay on the die and clay surface imperfections. It is used extensively in concrete pipe manufacture. Applied by brush, swab or spray.

Mould Oil 4SDO

A product similar to Mould Oil 3, but less concentrated. The principle use is as a steel demoulding oil for fibre boards.



APPLICATION CHART

Product	Type	Concrete Release	Clay Release	Die Lube	Steel	Timber	Concrete	Plastic
Erdol CRA 91	Solvent/Soap	X			X	X		
Mould Oil 010	Oil/Soap	X	X	X	X		X	
Mould Oil 20	Solvent/Oil/Soap	X			X	X	X	
Mould Oil 22	Solvent/Oil/Soap	X			X			X
Mould Oil 275	Solvent/Soap	X		X	X	X	X	
Mould Oil 3	Solvent/Soap	X		X	X	X	X	
Mould Oil 4SDO	Solvent/Soap				X			

TYPICAL CHARACTERISTICS

	Product Code	Density at 15°C	Flashpoint	Viscosity at 40°C	Saponification Number
		kg/L	°C	cSt	mg KOH/g
Erdol CRA 91	1403	0.850	70	2.5	4.0
Mould Oil 010	1449	0.867	190	21	21
Mould Oil 20	1450	0.860	70	6.8	7.0
Mould Oil 22	1325	0.870	70	18.9	21
Mould Oil 275	1452	0.846	70	3.9	16
Mould Oil 3	1453	0.845	70	4.0	10
Mould Oil 4 SDO	3210	0.844	70	4.0	8

PACK SIZES

Erdol CRA 91: 205L.

Mould Oil 010: 205L.

Mould Oil 20: 205L, 20L.

Mould Oil 22: Bulk only.

Mould Oil 275: Bulk only.

Mould Oil 3: 1000L, 205L.

Mould Oil 4SDO: 1000L



ENVIRONMENT, HEALTH AND SAFETY

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

OTHER INFORMATION

For further information on Caltex products and services call the Lubelink Advisory Service on 1300 364 169 between 8.00am and 6.00pm (EST) Monday to Friday.

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