

Polyrelease

Chemical mould release oil

To be applied on mould and shutter surfaces prior to casting concrete.

CHARACTERISTICS

- ▶ Single component
- ▶ Easy to apply
- ▶ Ensures smooth of uniform finish



DESCRIPTION

Polyrelease is a chemical release agent applied on mould and shutter surfaces prior to casting concrete. It ensures a smooth and uniform finish to the concrete.

FIELDS OF APPLICATION

Polyrelease can be applied on any form work such as:

- plywood
- metal
- plastic
- concrete

ACTION

The alkali reactive chemicals in Polyrelease promote a water repellent interface, which protects both steel and timber formwork, whilst ensuring concrete a smooth, hard and uniform finish with reduced incidence of blow holes. Polyrelease has no negative effect on the properties of concrete nor will it impair the adhesion on subsequent surface treatment when applied at the coverage rates. Polyrelease will not stain the concrete surface.

APPLICATION INSTRUCTIONS

Forms should be clean and rust free. Apply a thin coating of Polyrelease with a fine brush or a spray unit before casting. Excessive application should be avoided as it is self migrating. Whenever new timber or plywood is used, an initial spray coat should be applied to seal the pores on the surface.

COVERAGE

The coverage rate of Polyrelease is 30-70 m²/ L this depends on the surface density and porosity of the formwork.



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SPECIAL PROPERTIES

Polyrelease will not be washed off by rain and is a non corrosive material.

CLEANING

Clean all the tools with detergent solution.

STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 12 months in un-opened conditions and if stored as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH & SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

SUPPLY

Polyrelease 20L & 200L drums

TECHNICAL SPECIFICATION

PROPERTIES	VALUES
Appearance	Amber
Specific gravity @20°C	0.8 ± 0.05
Flash point, [°C]	70
Chloride content, [%]	Negligible
Application temperature, [°C]	5 to 55

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.