



Technical Data Sheet

SETRELEASE

Concentrated and emulsified chemical mould release agent

Advantages:

- * **Non-Staining:**
No cleaning of unsightly oil stains, if plastering is not required.
- * **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.
- * **Water-Based:**
Requires water for dilution.

Product:

Concentrated and emulsified chemical mould release agent.

Description:

SETRELEASE 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.

Usage:

1 litre of Setrelease is diluted with 5 litres of water to give 6 litres of solution and it will cover 150 to 160 m² depending upon the nature of the substrate.

Pack:

1 Lt, 5 Lt, 10 Lt, 20 Lt, 50 Lt and 100 Lt containers.

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PROPERTIES:

Dilution rate:

SETRELEASE must be diluted with 5 equal parts of water before use.

Formwork surfaces: May be used on wooden or metal surfaces. Particularly effective on resinous coated surfaces including coated wooden surfaces.

Non-standing:

Can be used safely with white cement.

INSTRUCTIONS FOR APPLYING SETRELEASE

Mixing: First dilute Setrelease 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 Moulds:

No preparation is normally necessary unless metal moulds show signs of rust, then these must be wire brushed or treated with emery cloth and burnished clean before coating.

Used Moulds:

Must be thoroughly cleaned and free from old concrete, dirt, cement laitance, old mould oil and other contaminations. Use a strong detergent for removal of oil and grease; Setklens for cement and concrete deposits.

Application:

Apply Setrelease 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.

Only if the formwork is not used for several days, a further coat may be applied.

Application of Setrelease:

Only a very thin film of Setrelease should be applied. Excess could lead to surface dusting of the concrete.

The best results are obtained by applying with a fine mist sprayer. Where a cloth is used, it should first be soaked in the release agent and then squeezed out well before applying. This ensures a thinnest possible film.

Drying Time:

It is essential that the Setrelease coating is thoroughly dried before placing 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 has dried. Once dried the coating 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 has 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 Setrelease each time, in accordance with normal practice.

Storage:

Setrelease concentrate has a shelf life of 12 months provided the temperature is kept in the range of 2°C to 50°C. If this temperature is exceeded in any respect, advice should be sought from the supplier.

Diluted Setrelease will remain stable for at least 5 days but must be re-stirred before use

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions, etc.

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