



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AERO RELEASE

Concentrated Chemical Mould Release Agent

Description

AERO RELEASE is a concentrated pale amber liquid which turns white when diluted with water produce a chemical release agent combining the outstanding physical release properties of a chemical release agent together with the economy of conventional mould oil. It reacts with the water in the concrete to form a thin water-repellent skin on the surface of the mould, thereby enabling easy stripping from concrete, whilst serving to protect steel and wooden formwork.

Uses

For easy and stain free release of concrete moulds and form work of all types except rubber lined forms. AERO RELEASE may be applied on wood, metal, polyester or plywood mould, where excellent surface finish and optimum release are required.

Advantages

- Ensures high quality fair faced concrete
- Can be used on all types of mould and shutter faces.
- Non-staining.
- Minimizes cleaning of shutters before re-use
- Safe time and money.
- Concentrated - minimizes storage and transport costs.
- Water based – requires water for dilution.
- Provide a water repellent, rust inhibiting film to the form work.

Economic Benefits

On account of the high rate of coverage, the applied cost of AERO RELEASE compares with that of conventional mould oils. Having regard to the technical benefits additionally obtained, the overall economy of using AERO RELEASE can be significant.

Instruction for use

Surface Preparation

Mixing : First dilute AERO RELEASE concentrate in the 1 part AERO RELEASE : 5 parts clean water (by volume) 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 5 days.

Note : Diluted AERO RELEASE will remain stable for at least 5 days and is easily reformed by re-stirring.

New Mould : No preparation is necessary although untreated new timber may require two coats. Used Moulds - All traces of cement must be removed together with any surface deposit of previous oils.

Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Physical Appearance	Pale amber liquid
2	Specific Gravity @ 30 °C	0.850 ± 0.010
3	Dilution Rate	1 part AERO RELEASE : 5parts clear water (by volume)
4	Formwork Surfaces	May be used on wooden or metal surfaces. Particularly effective on resinous coated surfaces including coated wooden surfaces.
5	Non-staining	Can be used safely with white cement.

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

Application

Apply AERO RELEASE 1:5 water dilution to the face of the formwork by spray, brush or cloth. Only one coat should be applied as thin as possible except on very absorbent new timber where two coats may be necessary for the first application only and allow to dry. If the formwork is not used for several days, then only a further coat of AERO RELEASE may be applied.

Drying Time : It is essential that the AERO RELEASE coating is thoroughly dried before placing the 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. After drying the coating, it 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 is dried out thoroughly.



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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 AERO RELEASE each time, in accordance with normal practice.

Cleaning

Cleanup ... Prior to drying, equipment may be easily cleaned with soap and water. Once dried, use mineral spirits or other suitable petroleum solvent.

Packing & Coverage

Packing: 1, 5, 10, 50, 100 & 200 ltrs. Containers.

Coverage: 150 - 160 m² per liter (After dilution)

Shelf Life & Storage

AERO RELEASE has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AERO RELEASE is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

OUR RANGE OF PRODUCTS



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