

# TECHNICAL DATA

Product No.  
02.003-1

## ZETOLAN-S

### CHEMICAL MOULD RELEASE AGENT

#### USES

To provide quick, clean and easy stripping of mould and formwork and ensure high quality faced and stain-free concrete.

#### DESCRIPTION

ZETOLAN-S is a specially formulated agent with chemically release properties which are superior to those of a conventional mould oil. The chemicals react with the water in the concrete to form a thin water-repellent skin on the surface of the mould thereby enabling easy stripping form concrete and acting as a protection to steel and wooden formwork.

#### ADVANTAGES

- Ensures really fair faced concrete.
- Can be used on all types of mould and shutter faces.
- Non-staining.
- Minimizes cleaning of shutters (anti-electrostatic effect) before re-use.
- Save time and money.

#### PROPERTIES

Service temperature:

Suitable for use with steam cured concrete.

Formwork surface:

Equally effective on wood or metal moulds and shutters (specially anti-corrosive), particularly effective on GRP and other resinous coatings, including polyurethane coated wood surfaces.

Non-staining:

Does not stain concrete and can be used safely with white cement.

#### CONCRETE SURFACE QUALITY

In addition to preventing adhesion of the cement paste to the mould or shutter face, ZETOLAN-S allows air, which would otherwise be trapped,

to escape from the face when the concrete is being poured and vibrated. Pockets of air, trapped on the shuttered faces of concrete, are a major cause of imperfection necessitating remedial work. ZETOLAN-S avoids time and money spend on this. The chemical reaction between ZETOLAN-S and cement in a concrete mix produces a strongly hydrophobic surface. This repels surplus water at the interface with the mould and by protecting the concrete from its effect, preserves uniformity of surface texture and colour.

#### RE-USE OF MOULDS

Due to the excellent release properties, little or no deposit of cement paste remains on the shutter surface. Minimum cleaning down and a further coat of ZETOLAN-S renders shuttering ready for re-use.

#### ECONOMIC BENEFITS

On account of the high rate of coverage, the applied coat of ZETOLAN-S compares favourably with that of conventional mould oil. Having to the technical benefits additionally obtained, the economy of using ZETOLAN-S can be significant.

#### APPLICATION

New Moulds

No preparation is necessary.

Used Moulds

All traces of cement must be removed together with any surface deposit of previous oils.

#### COATING

Using either a brush or any conventional mould oil sprayer, apply one coat of ZETOLAN-S evenly over the entire surface. On metal, glass fibre or other impervious surface one coat is sufficient. On new plain timber surfaces, a further coat of ZETOLAN-S should be applied before placing concrete if the mould is not used within 2-3 days.

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## COVERAGE

On plain timber surfaces approx. 30-40 m<sup>2</sup> per litre.

On metal, glass fibre, and other coated timber approx. 80-100 m<sup>2</sup> per litre.

Dependent upon porosity and texture of mould surface.

## NOTE

Only the thinnest coating necessary to achieve effective coverage should be applied.

Over-application is uneconomic and can lead to surface dusting.

## TEMPERATURE STABILITY

From -30°C up to 200°C

## PACKING

In 30,60 and 200 or 210 liter drums. Also in tanker loads.

## STORAGE

No special instructions, not sensitive to frost.

## TECHNICAL SERVICE

For important construction jobs our Technical Service should be consulted.

## ADDITIONAL INFORMATION

Technical data and guidance can be provided on a wide range of concreting aids including Plasticizers, Accelerators, Retarders, Air Entrainment Agents, Waterproofers, Surface Retarders, Workability Aids and Repair Materials.

## REMARK

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