

SHUTTERING AND MOULD OIL RELEASE AGENTS



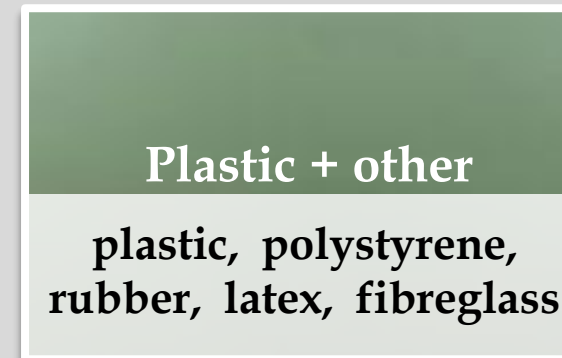
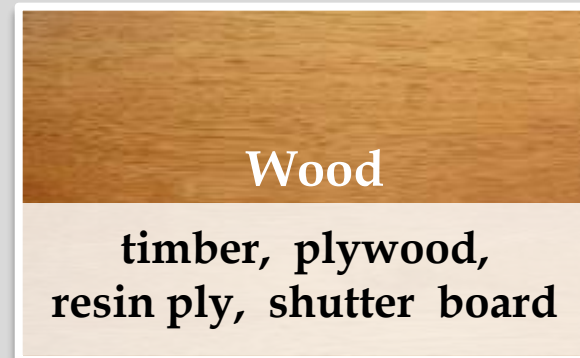
Eastto[®]
Consistent Quality
High Performance

Lubricants, Greases, Speciality Oils & Waxes

FUNCTION OF A RELEASE AGENT

Concrete bonds to mould / formwork. Release agents are primarily used to assist in the clean, easy and stripping of a mould / formwork from concrete without damaging the concrete or the mould / formwork and ensure high quality fair faced stain free concrete

For easy reference, we have divided the type of mould/formwork into 3 categories:



In order to achieve the satisfactory concrete release from a mould / form, it is imperative to choose the correct release agent.

This comprehensive guide is designed to help you select the right product.

SHUTTERING AND MOULD OIL RELEASE AGENTS



ADVANTAGES OF EASTTO OILS

MOULD / FORM PROTECTION

- ☑ **Easy, clean release** of the mould / formwork from concrete; without damaging the mould / formwork or the concrete. Protects and extends the life of the formwork / mould.
- ☑ **Reduces the like lihood of imperfections** and surface damage (particularly blow holes) to the concrete, creating more durable and attractive concrete surfaces.

AESTHETIC CONCRETE

- ☑ **Does not stain** or affect the colour of the concrete.
- ☑ **Does not affect the adhesion** of subsequent finishes and coatings. Plaster, paint and other coatings may be applied subsequently.

PRODUCT QUALITY

- ☑ **Does not affect the hydration** of concrete.
- ☑ **Eastto Release Agents** are safe to use, and avoid hazardous materials regulations in transport and disposal.

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ADVANTAGES OF EASTTO OILS

- ✓ Have a **low odour**, and are inoffensive to use.
- ✓ **Ready to use** product -far more convenient and reduces the likelihood of errors that can occur if mixing is required.
- ✓ **Storage** - our products have one year storage life!



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APPLICATION ADVICE FOR FORMWORK

Test panels that are built before construction are the best method for assessing the suitability of a release agent for a given application.

Metal

(steel / alumini)

Eastto Range contain temporary **rust preventive** qualities

Use **Eastto** Shuttering Oil / Mould WCX

Wood

(timber, plywood, resin, shutter board) ply

Eastto Range prevents the **veneer** on the **shutter boards** from **delaminating**.

Use **Eastto** Shuttering Oil / Mould Oil

Plastic + others

(plastic, polystyrene, rubber, latex, fibreglass)

Any release agent containing a **solvent** may cause the above material to become **brittle** or **disintegrate**.

Use **Eastto** S shuttering Oil / Mould WCX

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HOW TO APPLY

Eastto Oils should be applied **before concreting starts** and **reinforcement is fixed** and as near as possible to the first concrete pour and prior to subsequent pours

Spraying should be shielded as misting in the air may be detrimental to the person spraying and the environment. Use hoods over spray nozzle to prevent misting. (this will prevent clogging of the spray jet and over spray)

Eastto Oils should be applied in a uniform, continuous film, as thinly as possible. The surface of the mould / form should appear slightly greasy (have a shine). It can be applied by brush / Swab / Spraying / Dipping.

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HOW TO APPLY

Too much is as bad as too little

- **Too little** – surface damage to concrete and formwork / moulds (surface plucking / mould stick: where patches of the concrete surface stick to the form / mould and are then pulled off the face during formwork / mould removal.
- **Too much** – blow holes, staining, colour variation, efflorescence, dusting, even retardation of the concrete. Excess oil can also cause ground contamination. Excessive application results in 'pooling'. If there is an over application, wipe it off with a clean rag.



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APPLICATION ADVICE FOR POTENTIAL PROBLEMS

PROBLEM	CAUSES	REMEDY
Blow holes	Air entrapment against formwork (usually visible on vertical surfaces due to high surface tension)	Increase vibration, make concrete mix less sticky
Flaking with rough surfaces	When precast units are de - moulded while still green (moisture content is too high)	Increase retention time.

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CONSTRUCTION SITES

CONSTRUCTION SITES

Timber Formwork

Timber & Plastic + others

All types of formwork

SHUTTERING OIL / MOULD OIL / MOULD WCX

SHUTTERING OIL / MOULD OIL

SHUTTERING OIL / MOULD OIL

SHUTTERING OIL / MOULD OIL

Any Oil

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CONSTRUCTION SITES

PRECAST

Dry

Wet

Steam cured

Steam cured

Not Steam cured

SHUTTERING OIL

MOULD OIL

SHUTTERING OIL

MOULD WCX

ALL THREE TYPES

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SHUTTERING OIL

SUMMARY

- ✓ Mineral based
- ✓ Suitable to pre - cast
- ✓ Used on all types of formwork
- ✓ Ideal for formwork suppliers
- ✓ Contains no Solvents
- ✓ Easy Stripping
- ✓ All types of moulds

FORMWORK



Metal



Wood



Man - made



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MOULD OIL

SUMMARY

- Mineral based
- Suitable for steam curing
- Ideal for pre - cast pipes.

FORMWORK



Metal



Wood



Man - made



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MOULD WCX

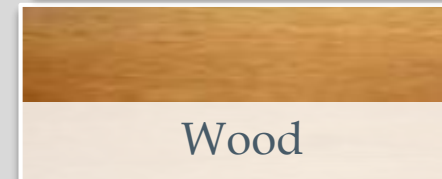
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FORMWORK



Metal



Wood



Man - made



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MOULD WCX

Eastto Range	 Metal	 Wood	 Plastic + others
Eastto Shuttering Oil	✓	✓	✓
Eastto Mould Oil	✓	✓	
Eastto Mould WCX	✓		✓



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