



# FORMCAST

## Precasting Release Agents

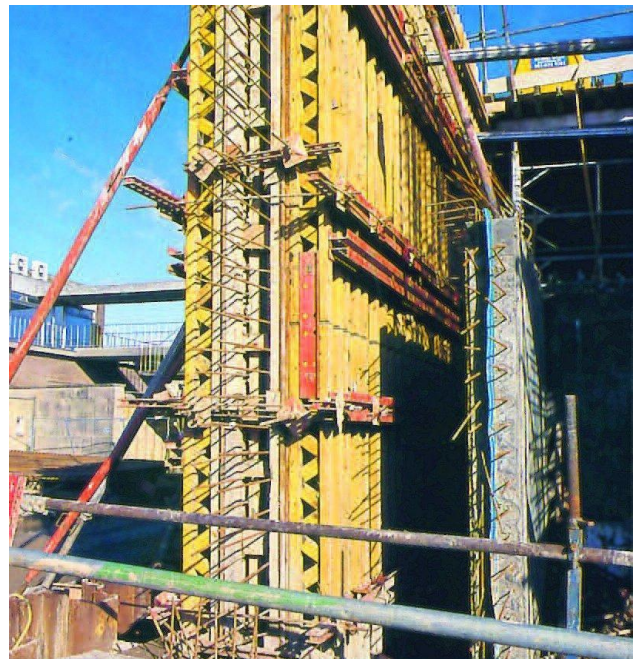
### FORMPOL EXTRA RP2 & RP3 Rust Preventative & Concrete Release System

#### Description

A highly versatile, thixotropic film forming and dewatering coating which can be applied by dipping, spray or brush. The product is thixotropic, therefore resistant to sag, run-off and flow. The dewatering characteristics make it ideal for large steel moulds, etc, where protection from the weather is difficult during application. Long term protection, two years approx., is afforded to metal components for storage or shipment. After use it can be used as an initial release agent for concrete casting or removed easily by a recommended cleaner.

#### Advantages

- Fast drying, high performance, thin film, rust prevention system easily applied by dip, brush, roller or spray, even to difficult sharp edged surfaces.
- Thermally stable and self-sealing, thus prevents cracking, chipping, peeling, sag or „fingerprinting“ .
- Fire resistant to Government Specifications.
- Fully tested for exterior exposure, UV degradation, in service from tropical to sub-zero temperatures.
- Electrically insulating, imparting resistance to galvanic corrosion.
- Highly resistant to attack by salts, microbes and other bacteria which normally accelerate corrosion processes.
- Can be applied to existing rusted surfaces so recoating of damaged areas is simplified
- However, limited cleaning should be considered prior to initial application for totally effective use.
- Weldable with no effect on weld strength and need not be removed for Oxy-fuel cutting.
- Non-staining on steel, aluminium, copper or their alloys.
- Labour saving, no primer coating or double coating necessary as with some opposition materials.



#### Technical Data

Thermal Stability:	-40° to 500°F
Electrical Resistivity:	10 Ohm/cm
Flash Points:	105°F (40.5°C)(PMCC)
Coverage/ Film Thickness:	20-25 m <sup>2</sup> ltr/.018 mm
Flammability of coating:	Non-combustible
Viscosity (Brookfield):	77°F CPS: 1185
Colour:	Light brown liquid

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### Application

Remove all concrete build up or other forms of contamination from metal surface.

Wash off with clean water or in the case of sand blasting leave dry. Some surface rust can be tolerated by the coating without affecting further performance.

Apply **FORMPOL RP2** to surface by brush, roller or spray unit. Ignore any water residue as this will be displaced but remove any concentrations before treatment. In the event of dipping items in **FORMPOL RP2** water displacement is aided by slight agitation and it can then be drained off periodically from the dip tank.

Cleaning of application equipment and removal of RP2 can be easily achieved by use of FDI Solvent Cleaner or similar material.

In event of concrete formwork being commissioned for use, removal of **FORMPOL RP2** is not necessary, as it will give the first release. However, first remove any surface contamination from the coating.

For subsequent coatings on steel forms, we recommend Extracan Chemical Release Agents, which include dewatering and rust preventative additives.

### Uses

Metal parts protection for storage or shipment of construction, mining and agricultural equipment, oil refinery coatings, pipe and wire manufacture, machine tools and in many other applications.

### Health & Safety

**FORMPOL RP2** is unlikely to cause problems of toxic hazard and should be considered as a petroleum solvent based material for all other considerations.

Good standards of personal hygiene should be applied, especially use of goggles if spraying the material and electrically earth the spraying unit.

In the event of contact with eyes flush with clean water for 15 minutes and contact medical department (contains Calcium Sulphonates).

In case of fire use foam or dry chemical extinguishers.

### Packaging

Packed in 25 litre and 210 litre drums.

### Formpol Extra RP3 Rust Preventative

For internal use or temporary external protection of 6 months maximum.

A similar formation basis as RP2, however allows for reduction of film thickness on items only requiring maximum protective life span of 6-12 months or for metal parts stored indoors. All other technical data as above.

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