

# METALGUARD RPS

## Corrosion protection for steel forms and concrete release systems

### DESCRIPTION

**MetalGuard RPS** is 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
- 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.

### PROPERTIES

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

### COVERAGE

20 to 25m<sup>2</sup>/litre dependent on type of form, texture of surface, ambient temperature and application method.

### Norsekem Limited

Unit 6c, Stokes Farm, Binfield Road, Wokingham, Berkshire. RG40 5PR  
 Tel: 08454027663 Fax: 0845 4027662 Email: sales@norsekem.co.uk

[norsekem.co.uk](http://norsekem.co.uk)

## 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 **MetalGuard RPS** 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 **MetalGuard RPS** 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 **MetalGuard RPS** can be easily achieved by use of SolvKleen or similar material.

In event of concrete formwork being commissioned for use, removal of **MetalGuard RPS** 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 Teknicon Chemical Release Agents, which include dewatering and rust preventative additives.

## STORAGE & HANDLING

**MetalGuard RPS** in manufacturer's sealed drums requires no special storage facilities

Material should be applied in well ventilated areas.

## HEALTH & SAFETY

Refer to separate material safety data sheet. Copies available by request

## PACKAGING & TRANSPORT

Supplied in 25 and 205ltr Drums. Regulated for Road Transport

## QUALITY ASSURANCE

Norsekem Limited Products are manufactured under quality assured schemes

Norsekem Limited products are guaranteed against defective materials and manufacture. Products are sold subject to the Norsekem Limited Terms and Conditions of Sale, copies of which are available on request. Norsekem Limited endeavors to ensure that the above data and any further advice is correct, Norsekem Limited can not accept liability for the use to which products are put or the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations do not over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

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