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## PRODUCT DATA SHEET

# PS GEL RETARDER

### DESCRIPTION

**PS Gel Retarder** can be brush applied to concrete formwork/mould surfaces to provide a uniform coating of retardant. It can be applied to complex shapes moulds and vertical surfaces ensuring a coating free from runs. **PS Gel Retarder** is suited for producing exposed aggregate finishes or for the production of a surface suitable for keying construction joints at stop ends or for subsequent plastering or coating operations.

**PS Gel Retarder** is a dyed green as a visual guide when painting the moulds so as to assist in uniform and complete application.

### ADVANTAGES

- Easily Brush applied to formwork or mould surfaces providing a uniform coating.
- Once applied no weather protection necessary.
- Only one single coat is required.
- Concrete may be placed immediately after the product has been applied, or at a later stage when the retarder has dried.
- Accidental contact with reinforcement will not impair bond of reinforcement to concrete as reversion will occur.
- Non-staining and suitable for all types of cements.
- Water based, environmentally friendly product with no flammable toxic solvents present.
- Residue left on moulds is soft and can be easily removed.



### PROPERTIES

Appearance	Green Gel
Freezing point	Solidifies at 0°C. When the product returns to normal temperature the product is unimpaired
Chloride content	Nil

### APPLICATION

**PS Gel Retarder** is supplied ready to use and application is via paintbrush or notched trowel. Over brushing should be avoided. Can be used on plain or treated wood, hardboard fibreglass or steel moulds.

If untreated wooden formwork is being used for the first time it may be necessary to apply a mould release agent prior to use or seal the formwork with a wax or varnish type sealer.

Concrete may be placed immediately after the formwork has been coated with the retarder. If formwork coated with retarder is left exposed to the air, a dry surface results which need not be protected from rain although heavy rain should be avoided.



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**It is recommended that the forms are struck within 30 hours following application, otherwise the retarding action will be negated and the concrete will set.**

The retarded matrix should be removed by hosing/brushing to expose the underlying aggregate.

Care should be taken to remove traces of retarder by washing prior to re-use of moulds.  
N.B. Certain concrete admixtures hinder retarding action, again evaluate prior to use.

### COVERAGE & YIELD

3-4m<sup>2</sup>/litre dependant on surface texture and porosity.

### ANCILLARY PRODUCTS

- **Surestop Voidformer**

### STORAGE & HANDLING

- No special storage facilities needed.
- Avoid freezing temperatures.
- Spillages should be washed down to avoid slippery surfaces.

### PACKAGING & TRANSPORT

- **PS Gel Retarder** is supplied ready for use in 25ltr tub.
- Not regulated for road transport.

### QUALITY ASSURANCE

Products are manufactured under quality assured schemes.