

# SOLSEAL FORMWORK SEALER

## Moisture-Cure Urethane Resin Solutions



Solseal Formwork Sealer, a formwork sealer, is a moisture-curing polyurethane resin based on Toluene Di-isocyanate dissolved in xylene. These can be used straight from the can or formulated for specific applications.



## SOLCEM - Building Chemicals & Admixtures

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### Typical Uses

Solseal Formwork Sealer is an economical fast-drying, hard wearing coating resin used on surfaces where colour retention is not critical. Formwork Sealer is typically used as a varnish lacquer on wood (e.g. chipboard and plywood) for floors, furniture and concrete shuttering; as a sealer on concrete or block paving and as a component of build-up flooring system.

### Storage and Shelf Life

Store out of direct sunlight in a humidity-controlled atmosphere, at 5-30°C. Moisture will initiate the eventual cure of Formwork Sealer in part used containers even if resealed, unless they are purged with dry nitrogen. Wherever possible store in original unopened containers until needed. Shelf life is 12 months from date of manufacture.

**Pack Size:** 5 and 25 kg container

### Safety Information

Solseal Formwork Sealer is a solution of an isocyanate prepolymer in xylene which gives off harmful, flammable fumes. Precautions must be taken to ensure good ventilation and against sources of ignition.

### Typical Properties

NVC	40%	20%
Viscosity (25°C)	<100mPa.s	<30mPa.s
Colour (Gardener)	<2	<2
S.G. (25°C)	0.95	0.9
Flash Point	24°C	
NCO Content	2.5%	1.3%
Free Monomer	0.1%	0.05%

### Hardness Development

Film tested on glass 0 – 0.1mm wet thickness, 20°C, 60%RH.

Touch Dry	1 Hour
Tack-free	2 ½ Hour
Hard	4 Hours
1 day	29)
3 days	36) sward
1 week	36) Hardness
1 month	36)

### Physical & Electrical Properties

The following properties are typical of an 0.1mm film of Formwork Sealer cured for 28 days at 20°C and 60%RH.

Elongation at break	90%
Abrasion Resistance (Taber )	100mg
Wheel CS17/1000g Load/1000rev	wt.loss
Dielectric Constant, ASTM D150-54T	6.0
Dielectric Strength, ASTM D149	534 volt/mil
Dissipation Factor, ASTM D150-54T	0.054