

Mold Sealer S- 31

SEMI- PERMANENT MOLD SEALER & RELEASE- AGENT

DESCRIPTION:

Mold Sealer S- 31 is a semi- permanent mold sealer and highly concentrated release agent for all types of resin. **Mold Sealer S- 31** is suitable for sealing molds made of metal and thermoset resins.

APPLICATION:

Mold Sealer S- 31 is used for pre- treatment of molds in processing of, for example: epoxy-, polyester-, acrylic-, vinyl- ester-, and DCPD- resins. **Mold Sealer S- 31** is mainly used in processing techniques like: cold- wet pressing, hand- lay- up, vacuum- injection, fibre- spraying, RTM and SMC. Molds with porous surfaces can be sealed easily.

APPLICATION NOTES:

Apply **Mold Sealer S- 31** on an uncoloured cellulose cloth and rub respective surfaces in an even layer. Subsequently distribute **Mold Sealer S- 31** “wet- in- wet” until the solvent has evaporated and an even, thin film has formed. On new moulds you have to repeat this procedure six to seven times. Between the application cycles you have to wait about 15 minutes, to allow the solvent to evaporate. Increasing the evaporation time up to 30 minutes will increase the demoulding- performance. Persistent polishing of each layer leaves a high gloss mould surface. After the last application cycle, **Mold Sealer S- 31** needs at least 3h for curing.

The mould is now ready for series- production.

New moulds should be pre- treated with **Treil Part 310** between the first 3 to 4 demoulding sequences. Multiple demouldings with high gloss finish quality are possible now.

New polyester- resin molds have to be tempered for at least 3h at a temperature of 50°C (= 120°F) before being coated with a sealer.

TECHNICAL DATA:**Physical characteristics:**

weight:	0,75- 0,78 kg/l (at 25°C= 77°F)
flashpoint:	>25°C (= 77°F)
solvent:	mixture of aliphatic hydrocarbons
operating temperature:	T _{room} up to +475°C (= 890°F)

Mold Sealer S- 31 does not contain CFCs, chlorinated- or aromatic- hydrocarbons and is free of wax and polyvinyl alcohol.

Shelf life: 12 months after date of production