

DESCRIPTION

Release agent SK2TR400-5 is an easy-to-use, semi-permanent, water-based mould release agent for composite processing which works without sealing the mould. The product provides a closed film on the mould. Though this film is micro-thin, it is very resistant after a short curing time and temperature stable up to 400°C / 752°F. The release film exhibits a strong chemical bonding to almost all mould materials, so that a single application allows multiple release. Release agent SK2TR400-5 does not transfer to the moulded parts, allowing further processing steps such as varnishing, gluing etc. without prior treatment. It is an air-drying system, heat curing is not necessary. Build-up on the moulds can be eliminated almost completely if the release agent is used as directed.

Release agent SK2TR400-5 can be used as a release agent for hot presses with thermosets such as polyester, epoxy, phenolic, melamin resins, PU-gelcoats as well as for RTM procedures.

The product is used in various manufacturing processes of parts made of composite materials.

APPLICATION

Prior to the first application of Release agent SK2TR400-5, the moulds have to be cleaned thoroughly. Afterwards we recommend to clean the cold moulds with a fast evaporating solvent to eliminate all residues of grease and wax. Apply 1-2 thin and even layers of Release agent SK2TR400-5 as a priming coating. Application can be done by hand, with cotton cloths, with a brush, a sponge or, which would be the best, by spraying. According to experience, longer drying times and higher application temperatures will enforce the release film's stability and will increase the number of possible releases. After this pretreatment, the processing can be started. One single application of Release agent SK2TR400-5 is sufficient to refresh the release film as soon as release performance decreases

TECHNICAL DATA	VALUE
Appearance:	White liquid
Composition:	Aqueous emulsion of synthetic resins
Density [g/cm ³]:	Approx. 1
pH-value (20°C):	Approx. 5

PACKAGING TYPE	NET WEIGHT
Canister	5 L (5 kg)
Box	15 Cans x 1 L

STORAGE

The product should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight. If these rules are obeyed, the product can be stored for at least 12 months.

NOTES

Other packaging (30 and 200 litres) is available upon request.