



TECHNICAL DATA SHEET

SK2TR450-9

Semi-permanent release agent

► DESCRIPTION

Release agent SK2TR450-9 was specially developed for the aerospace sector. It is an easy-to-use, semi-permanent, water-based mould release agent which works without sealing the mould. The product forms a complete film on the mould. Though this film is micro-thin, it is very resistant after a short curing time and temperature stable up to 450°C.

It has a strong chemical bonding to almost all mould materials and a single application allows multiple releases. To meet the requirements of the aerospace sector, release agent SK2TR450-9 does not transfer to the moulded parts, allowing further processing steps such as varnishing, gluing etc. without prior treatment. It's 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. SK2TR450-9 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 SK2TR450-9 the moulds have to be cleaned thoroughly. Afterwards we recommend to clean the moulds with a fast evaporating solvent to eliminate all residues of grease and wax. Apply 1 - 2 thin and even layers of release agent SK2TR450-9 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. Longer drying times and higher 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 SK2TR450-9 is sufficient to refresh the release film considering the drying time.

► TECHNICAL DATA

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



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► SIZE

Packaging
Box of 15 Cans x 1 L
Can of 5 L (5 kg)

► 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.

► NOTE

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