



# TECHNICAL DATA SHEET

## SK2TR450-11

### Semi-permanent release agent

#### ► DESCRIPTION

SK2TR450-11 is a semi-permanent, water-based mould release agent which dispenses without need for any mould sealing. Requiring only a very short curing time, release agent SK2TR450-11 forms a highly resistant film on the surface of the mould that is temperature-stable up to 450 °C. Due to its strong adhesion to almost all mould materials the product allows for multiple releases. SK2TR450-11 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.

SK2TR450-11 can be used as a release agent for hot-forming processes with thermosets such as polyester, epoxy, phenolic, melamin resins, PU-gelcoats as well as for RTM procedures.

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

#### ► APPLICATION

Prior to the first application of SK2TR450-11 moulds have to be cleaned thoroughly. Our cleaner SK2TR000-2 will be sufficient. Additional cleaning using a fast evaporating solvent is advisable in order to ensure elimination of all residues of grease and wax. Apply 1 - 2 thin and even layers of SK2TR450-11 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 curing 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 release agent SK2TR450-11 is sufficient to refresh the release film considering the curing time.

#### ► TECHNICAL DATA

Appearance:	White liquid
Composition:	Aqueous emulsion of synthetic resins
Density [g/cm <sup>3</sup> ]:	Approx. 1
pH-value (20°C):	Approx. 4

#### ► SIZE

Packaging
Box of 12 Cans x 1 L (1 kg)
Set of 4 Cans x 5 L (5 kg)



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▶ **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.