

ACMOS COVEREL coating

The **ACMOS COVEREL** coating is a joint development of ACMOS CHEMIE KG and the Fraunhofer Institute for Manufacturing Technology and Applied Materials Research (IFAM). The new type of coating enables plastics, in particular PVC or PUR, to be removed from the mould trouble-free and with ease, both without or with reduced use of release agents.

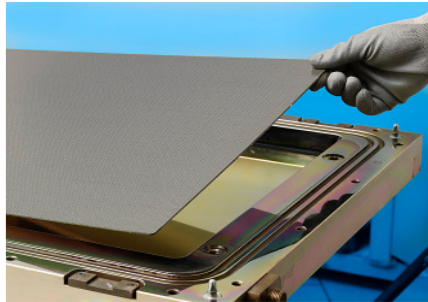


Illustration:
Tool with ACMOS Coverel® coating
for the production of high-quality
carbon fibre composite sheets.

Application examples:

The **ACMOS COVEREL** coating is a release-agent free or release-agent reducing auxiliary removal or release agent for:

- Thermoplastics, eg, such as TPU or PVC
- Carbon fibre composite components
- Epoxy plastics
- PUR systems, in particular IMC coatings

The coat thickness is less than 0.5 µm and can therefore also reproduce even the finest structures in the moulds. It is not suitable for abrasive PUR systems.

Benefits:

- release-agent free auxiliary removal agent
- resistant to high temperatures (up to max. 300 °C), resistant to solvents
- no coat transfer to removed components
- parts can be glued together and coated
- VOC-free
- reduction in the use of release agents
- longer mould life
- less cleaning required for mould and components
- increased productivity
- cost reduction

Processing:

The coating is applied to the mould using an ND plasma process. Before the first coating, the moulds must be carefully cleaned of all grease and release agent residues, as this is the only way that the release layer can anchor itself over the entire mould surface. To do this, we recommend an ACMOSOL mould cleaner. Our technical service department will gladly advise you on all questions concerning the selection and application of our manufacturing and coating products.

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Pr/pb