



ASSYST sprl / A.S.O.W. sprl
 Hellegatstraat 13a - 2590 Berlaar - Belgium
 Tel: +32 495 50 61 14 / +32 496 83 70 27
 Website: www.assyst.org / www.artsuppliesonweb.com
 Email: ao@assyst.org / vera.opsommer@assyst.org

RELEASE AGENTS PST-4 / PVA / TRENNWAX / RELEASE SPRAY Z25LE

TRENNWAX:

DESCRIPTION:

Trennwax is a solvent-based paste used for the preparation of porous surfaces when the appropriate nitro-sealer is not used. It is particularly suitable as a release agent for wood, concrete and non-insulating plaster and for the preparation of new moulds in low-density polyurethane resins to help with the initial deformation of the pieces.

Application of the product can be done by brushing or buffing. The complete evaporation of the solvent depends on the medium. Only after the product has completely dried, polishing or shaping is required. The product is flammable.

Typical product characteristics

Colour:	whitish
Mixable with:	mineral turpentine
Dry after:	30 min to 6 hours
Surface:	waxy, polishable

PST-4:

DESCRIPTION:

Based on high-boiling waxes and aliphatic hydrocarbons, dries quickly. Specifically for epoxy and polyurethane moulds and patterns. PST-4 must be applied to surfaces that have been pre-treated with nitro-sealer and with PVA release agent (which facilitates demoulding). The PVA layer is not required on non-absorbent substrates such as metal, glass, ceramics, resin. Always check product compatibility with the support. Brush 2-3 coats of PST-4, wait 2-3 minutes after each coat to let it dry. The layer can be polished with a soft cloth. A clear coat is obtained by polishing before the coat is dry.

The product is flammable.

Attention: Always mix the product thoroughly before use in order to homogenise waxes and solvents.

Typical product characteristics

Colour:	milky
Mixable with:	-
Dry after:	1 min
Surface:	opaque, cannot be polished

PVA:

DESCRIPTION:

The thin film formed by PVA applied prior to PST-4 helps remove intricate rough and porous surfaces, such as punched-in details and wood grains and crevices. PVA is also used, prior to PST-4, to protect precision waxes, paints and surfaces that are not resistant to solvents (e.g. artificial leather, embossed paints). For applications requiring a wax-free reproduction, it is possible to apply PVA as a final layer (only with airbrush). PVA is normally applied to models that have been treated with a nitro sealer or with a paint layer. Apply 2-3 layers by brushing, buffing or spraying. If in the latter case a low-capacity air sprayer is used with a small cone-shaped nozzle (e.g. hole diameter 0.3 mm, pressure 2 atm), it is possible to treat also very repellent surfaces like silicone rubber or shiny surfaces where usually by brushing the film tends to create "fish eyes".

Each single layer dries within 2 - 15 minutes, depending on the application method and layer thickness. When the material is removed from the mould, the film may peel off, partly on the model and partly on the mould. In this case, the film can be removed with compressed air or with a sponge moistened with water. The product is flammable.



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Typical product characteristics

Colour:	colourless
Mixable with:	alcohol / water
Dry after: 15 min	
Surface:	plastic film

RELEASE SPRAY Z25LE:

DESCRIPTION:

Release spray Z 25 LE is suitable for small models in order to achieve faster processing. Apply a thin layer. Due to the greasy surface, the gelcoat cannot be held in a vertical position.

Release spray Z 25 LE is particularly suitable for the demoulding of polyurethane fast-curing and flexible resins. It can also be used to treat precision plate wax.

The product is not suitable in contact with polyurethane foams because it causes the foam to collapse on the surface. The product is flammable.

Typical product characteristics

Colour:	colourless
Mixable with:	-
Dry after:	3-4 min
Surface:	greasy, cannot be polished