

## OLDOPAL-Release Lacquer natural

PVA Mould Release Lacquer

Prod. No. 741-0052

**Product description** OLDOPAL-Release Lacquer natural is a skin forming release agent made on a polyvinyl alcohol base dissolved in a mixture of ethanol/water. A glossy, tough PVA layer forms after drying.

**Applications** OLDOPAL-Release Lacquer natural is used as a mould release agent when producing mouldings made of UP and EP resins in plastic moulds. To facilitate the release of large surface mouldings, OLDOPAL-Release Paste (741-0054) is applied before applying Release Lacquer. The application of Release Paste only needs to be renewed after every fifth to sixth demoulding.

The use of Release Lacquer achieves a clearly higher degree of gloss on the surface of the mould. If matt mouldings are to be produced, OLDOPAL-Liquid Release Wax (741-0063) should be applied with a spray gun after the Release Lacquer has dried.

### Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	approx. 0.95	g/ml
Viscosity at 20 °C in an ISO cup	ISO 2431	20 - 22	s
Flash point	DIN 53 213	+ 24	°C

**Colouring** Besides "natural", OLDOPAL-Release Lacquer is also available tinted green (741-0652) and blue (741-0653) for better control when applying to light-coloured moulds.

**Directions for use** OLDOPAL-Release Lacquer natural is best applied in an even, thin layer with a sponge. A brush can be used for application on complicated moulds. The application rate is 30 - 70 g/m<sup>2</sup>, depending on the surface of the mould. Drying time ranges between 10 and 15 minutes at a temperature of 20 °C; in higher humidity correspondingly longer.

**Note:** **ATTENTION!!!** Before applying gelcoats, make sure that the release lacquer has dried completely. If gelcoat is applied too soon, this may have a negative effect on the properties of the gelcoat in regard to their weather resistance and colourfastness and may also lead to undercuring.

OLDOPAL Release Lacquer natural is not suitable as a release agent for

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swimming pool moulds or moulds with similar heavy loads. Because a residual content of water in the PVA film can never be completely avoided, undercuring in the boundary layer of the gelcoat may occur.

Release agent residue that remains on the mould after removal and on the mouldings can be washed off with water.

## Storage/Handling

This product must be stored cool in closed containers, protected from sunlight. Shelf-life is at least 12 months in unopened, original containers stored up to a temperature of 20 °C. Gel and curing times may change with increasing duration of storage.

Note: The Information given above is based on our current state of knowledge and experience. In view of the many factors that may influence working conditions and the application of our products, the user is not relieved from carrying out his own tests and experiments. No legally binding warranty of certain properties or suitability for a particular purpose can be derived from this information. It is the responsibility of the receiver or user of our products to observe proprietary rights as well as existing laws and regulations. The latest version of the corresponding EU Safety Data Sheet must also be observed.

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