

## BF 700 Release Wax Paste

Carnauba wax release paste

Prod. No. 022-0700

**Product description** BF 700 Release Wax Paste is a silicone-free, highly concentrated emulsion of the purest Carnauba wax in a paste-solid consistency. It was developed for initial treatment of GRP moulds made of polyester, vinyl ester and epoxy resin.

**Applications** BF 700 Release Wax Paste is used as an initial release agent for the production of mouldings made of UP, VE and EP resins in GRP moulds. In most cases it is also suitable for moulds made of other plastics, wood, gypsum, etc.

If OLDOPAL Release Lacquer is used, BF 700 Release Wax Paste can be applied as an additional release agent prior to application of the release lacquer to ensure reliable demoulding.

Specifications / technical data	Property	Test method	Value	Unit
	Colour		grey white	
	Consistency		paste-solid	
	Density at 20° C	DIN 53 217/2	ca. 0,88	g/ml
	Flash point	DIN 53 213	> + 65	°C

**Directions for use** BF 700 Release Wax Paste is best applied to the surface to be treated in the mould by placing some wax in a rag which is closed into a bag-like shape and applied with circular movements while pressing the paste through the cloth fabric. Application by this method achieves a uniform, thin layer and any lumps in the wax are held back.

The surface to be treated during each working operation should measure approx. 70 x 70 cm. Polishing should begin as soon as the wax has been applied since once the wax film has started to dry, it becomes very difficult to polish. Always use a clean polishing rag and exchange often!

In the case of new moulds it is recommended to apply the wax very carefully before using the mould; i.e. the mould should be waxed 5-7 times in a row and polished to a high gloss. This ensures that on micro-porous working materials all of the open pores on the surface of the mould are actually closed. When worked at room temperature, a waiting time of approx. 1-2 hours should be observed between the individual layers. After the last layer has been applied, a waiting time of 24 hours should be observed.

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It has also proved to be advantageous to temper the mould afterward. First of all, the wax is liquefied through the elevated temperature and can thus penetrate deeper into the surface of the mould, and second, the layer of wax becomes more resistant through post-curing.

When removing the mould the first 2-3 times, OLDOPAL Release Lacquer should be used as an additional release aid to increase functioning safety. After that, BF 500 Liquid Release Wax can be used for regular demoulding (see separate Technical Information Sheet).

In general it can be said that the quantity of release agent needed for a mould considerably depends on the geometry of the mould and the extent of the forces involved in demoulding. Difficult demouldings require more release agent, less is required when demoulding is easier.

## Storage/Handling

This product must be stored cool in closed containers, protected from frost. Shelf-life is at least 6 months when stored in unopened, original containers under these conditions.

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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