

BF 800 High Temperature Release Wax

High temperature release wax paste

Prod. No. 022-0800

Product description BF 800 High Temperature Release Wax is a silicone-free, highly concentrated dispersion of synthetic waxes in paste-solid form.

Applications BF 800 High Temperature Release Wax was especially developed for treating pre-heated moulds as well as for cases in which temperatures of up to 120 °C are reached on the surface of the mould through strong exothermic curing reactions. It is suitable for GPR moulds made of polyester, vinyl ester and epoxy resin as well as moulds made of aluminium and nickel.

Specifications / technical data	Property	Test method	Value	Unit
	Colour		slightly yellow	
	Consistency		paste-solid	
	Density at 20 °C	DIN 53 217/2	ca. 0,8	g/ml
	Flash point	DIN 53 213	> + 65	°C

Directions for use BF 800 High Temperature Release Wax is best applied to the surface to be treated in mould by placing some wax in a rag which is then drawn together like a bag. Using circular movements, the paste is pressed through the fabric of the rag. This ensures a uniform, thin layer of release wax without any lumps of wax. The area to be treated per working operation should be approx. 70 x 70 cm. Polishing should be carried out immediately after the wax has been applied since it is very difficult to polish the film of wax once it has started to dry. Always use a clean cloth for polishing and exchange the cloth often!

With new moulds it is advisable to apply the wax extremely thoroughly before the mould is used; i.e. the mould should be waxed 5 to 7 times in a row and polished to a high gloss. This ensures that in the case of micro-porous materials, absolutely all pores in the surface of the mould are closed. At room temperature, a waiting time of approx. 1-2 hours should be observed between each layer that is applied and a waiting time of 24 hours should be observed after the final layer has been applied.

It has also proved to be advantageous to condition the mould. The elevated temperature liquefies the wax, allowing it to penetrate more deeply into the surface of the mould and the layer of wax also becomes more resistant through post-curing.

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OLDOPAL Release Lacquer should be used as an additional release aid for the first 2 or 3 demouldings.

You should remember that requirements on the release agent considerably depend on the geometry and forces involved during demoulding. Difficult demouldings require more release agent; easier demouldings less.

Storage/Handling

This product must be stored cool and dry in closed containers, protected from frost. When stored in this manner in unopened, original containers, shelf-life is at least 6 months.

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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