

Release Agent HP-HGR5

- water based high-gloss release agent -

HP-HGR5 is a release agent for In-Mould Coating HP-IMC and other thermosetting resins by HP-Textiles. Enables demouldings / castings with high gloss qualities.

Features & Benefits:

- water based release agent for applications with In-Mould Coatings (HP-IMC) from HP-Textiles. Also suitable for solvent free epoxy resins, unsaturated polyester resin and vinyl ester resins.
- fast drying time (per layer <5 minutes at 20°C)
- semipermanent, external release agent with good demoulding features
- colourless, solvent-free
- application with spray gun (ready for spraying), lint-free cloth or soft brush possible
- Can be polished after short dry time
- multiple demoulding processes are possible
- minimises remains on the moulds' surface – and at the same time no transmission to the component

Free of silicones or PTFE.

Composition / Specifications:

Form	:	water based dispersion	
Colour	:	white	
Density	:	approx. 1 g/ml	(at 20°C)
Flashpoint	:	not flammable	

Information to Processing:

Consumption	:	20 - 25 g/m ²	(wet application, per layer)
		<i>1L suffices approx. 20-25 m² in 2 layers</i>	
Application methods	:	with spray gun	(nozzle 0,5 - 1mm, pressure 4 bar)
		or	
		wipe on	(lint-free cloth)
		brush on	(soft brushes)
Recommended amount of layers	:	2 - 3 layers	(in new moulds)
		1 layer	(„fresh up“ after first demouldings)
Temperature stability	:	approx. 150°C	(max. processing temperature)

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.

It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

We recommend tests be performed for trials and suitability for the particular type of application.
With the newest printing of this data sheet the previous version loose validity!

Safety Instructions:

Do not allow children to handle.
Does not have to be specifically labelled according to guideline 1999/45/EG
HP-HGR5 is not a hazardous material.
For details please consult the corresponding safety data sheet.

Instructions for Application:

Stir up well before use.

Clean the moulds' surface well before applying the resin.

New moulds:

Apply HP-HGR5 in at least 2-3 layers.

Consider a waiting time of a few minutes* between each working step.

If higher gloss is required, it is possible to polish the surface after a few minutes waiting time.

If the last coat is finished, it's recommended to wait approx. 30 min* before laminating.

Especially after each of the first demoulding processes, it is recommended to apply a new layer of the release agent.

Used moulds:

Clean the moulds' surface and remove every other release agent carefully.

After that, apply HP-HGR5 as per description.

** All information shall apply at 20°C! Higher temperatures will shorten the drying time.*

At mould temperatures of >60°C you have to pay attention to the correct usage of the surface!

Remains of the release agent HP-HGR5 can be removed with water (with addition of detergents).

Storage / Disposal:

Store dry in closed containers at room temperature.

Protect against long lasting coldness and heat.

Under the specified conditions the product is storable for 6 months.

Further Information:

Further information for application can be obtained at our web site, by selecting' product info' on our homepage.
Please do not hesitate to contact us via telephone if you have further questions.