

Release Agent HP-HGR80

- water based release agent -

HP-HGR80 is a release agent for thermosetting plastics (PU, IMC varnish, EP, UP, VE).

Features & Benefits:

- Suitable for PU casting resins, IMC varnish, solvent free epoxy resins, unsaturated polyester resins and vinyl ester resins
- Fast drying time (10-15 minutes at 20°C)
- Semi-permanent, 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 dry time
- Multiple demoulding processes are possible
- Minimises remains on the moulds surface – and at the same time no transmission to the component
- **Based on alkylalkoxysilane / wax emulsion**

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) 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. 80 °C (max. processing temperature)

Safety Instructions:

Do not allow children to handle.
Does not have to be specifically labelled according to CLP-regulation.
HP-HGR80 is not a hazardous material.
For details please consult the corresponding safety data sheet.

Instructions for Application:

Shake the release agent thoroughly before each use!

Clean and degrease the mould with suitable agents, e.g. acetone or XB thinner.

New moulds:

Apply HP-HGR80 in at least 2-3 layers.
Consider a waiting time of 10-15 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. 60 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-HGR80 as per description.

* All information 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-HGR80 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.
Existing inhomogeneities do not represent a quality defect and are within tolerance.

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.

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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!