



RBR 300 / RBR 310

RBR 300 Release agent for rubber and epoxy resin

RBR 310 Release agent for natural, synthetic and silicone rubbers

RBR 300 is a specialist release agent for the release of a wide range of natural or synthetic rubbers and filled or unfilled epoxy resin mouldings. The Release Agent is based upon an aqueous dispersion of a fluoro-polymer and represents a major leap forward in release agent technology for this market area.

RBR 310 is a more concentrated formulation and can be used as a primer on new or more porous mould substrates, (eg. Aluminium tools) to provide a good initial release film for process start-up. RBR 300 can then be used subsequently to provide the necessary level of release with minimum build-up.

ADVANTAGES

- Water based system
- No mould build-up
Any deposits can be removed using either hot water or one of Ambersil cleaners including AB1 and SB1
- Operational to 250°C
- Minimal transfer to part so post moulding treatments are unaffected
- Works best on steel or aluminium tools
- Can be applied using simple trigger spray if commercial spray guns are not available
- RBR 300 has been shown to give 20+ lifts per application when releasing natural rubber mouldings
- RBR 310 is suitable for the release of certain silicone rubbers

HOW TO USE

RBR 300 can be applied before each moulding although under certain circumstances multiple release may be obtained. A light coating should be applied using a fine mist sprayer or air assisted spray gun from a distance of about 9" - 12" from the mould. It is strongly advised that this process is done on a hot mould and that a suitable face mask is worn to prevent excessive inhalation of the vapours coming off the mould surface. The application of **RBR 300** to cold moulds is not recommended as the water will take too long to evaporate and the chances of forming a uniform film of release agent on the mould are greatly reduced. Moulds which have jointing lines, repairs or recesses where water could ingress should be inspected carefully prior to pouring in the resin in case any residual water is found to be present, as this will damage the moulding.

NB: The release film laid down on the mould surface is extremely fine and as such will not mask any defects in the mould surface such as repairs or deep scratches. **RBR 300/310** will, however, convey all mould surface patterns, grain effects etc to the moulding giving an excellent semi-gloss/gloss finish depending on the mould material.

RBR 310 is applied in exactly the same way as RBR 300, however, when moulding silicone rubbers users are advised to make a small test piece first, prior to using the product on any main production tools.

TECHNICAL DATA

	RBR 300	RBR310
Appearance	: Clear Colourless Liquid	Clear Colourless Liquid
Odour	: Faint alcohol	Alcohol
S.G.	: 1 g/cm ³	1 g/cm ³
Flammability	: Classified as non-flammable	Flammable
Flash Point	: >64°C (PMCC)	46°C (PMCC)
Packaging	: 25 litres, 200 litres	25 litres

Please note that these products are not available off the shelf and are made specially to order, unless by prior agreement with a customer. Therefore a lead time of 14 - 18 days can be expected at busy production times.

STORAGE

The products may be stored at normal ambient temperatures and have a shelf-life of not less than 12 months with correct storage.

HEALTH AND SAFETY

Health and Safety Data Sheet available separately.

These products contain a fluorochemical, users are strongly advised to wash their hands prior to smoking or eating. Failure to do this may result in smokers suffering headaches and nausea similar to that from polymer fume fever.

TECHNICAL SERVICE

Ambersil provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

MISREPRESENTATION ACT 1967 TRADE DESCRIPTIONS ACT 1968

The information given in this publication is based on our experience and reports from customers. There are many factors outside our control and knowledge which affect the use and performance of our products and for which reason no warranty is given, express or implied. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

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