

Barnes

moulding & casting supplies

BARNES PRODUCTS P/L
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PVA MOULD RELEASE

LIQUID RELEASE AGENT

RELEASE AGENT

PRODUCT DESCRIPTION

PVA is a special formula release agent for the fibreglass industry. This product is designed to prevent lamination of the product to the mould. In preventing the mechanical or chemical bonding of the moulded material to the surface of the mould. PVA is a film-forming solution, which places a positive barrier between the mould and the product or component. PVA may be used on smooth, hard surfaces or on other surfaces in tandem with wax style mould releases such as J-Wax. PVA is best used in conjunction with wax style release agents as an extra or additional barrier; particularly in the moulding of small, intricate or challenging shapes. PVA should also be used together with waxes on poor surface moulds and on absorbent surface moulds.

PREPARATION

All surfaces should be cleaned. Care should be taken not to apply PVA to surfaces that contain moisture, such as new plaster as this will be detrimental to the final product. As PVA contains both water and alcohol, care of application is required to prevent dilution or scaring of moulds soluble in either of these two components. Moulds surfaces should always be clear of dust as this can become sealed under the mould release and cause deformities on the finished product. No silicone should be present on the mould. When cleaning the mould with solvents or water, allow to dry.

APPLICATION

Once surface is prepared, PVA may be sprayed or brushed onto the mould surface. In the case of spraying use a fine mist atomiser in the spray unit and apply at about 100 psi. Apply in fine coats, passing over the surface in a smooth and even pattern. Too heavy an application will cause 'runs' on the surface and gathering PVA into corners and crevices. To thin PVA when spraying use Methylated Spirits. Ideally allow 10 minutes to dry and check for un-coated areas. After final coat allow 20 minutes to dry. Never apply component material until PVA is fully dry. Heated moulds or warm environments will speed drying. Prevent settling of dust or foreign particles on moulds whilst drying.

CLEANING

After removing finished component from the mould, the PVA film may be pulled away from the mould. If this is not possible the PVA will clean with either Methylated Spirits or water.

OTHER NOTES

When using light coloured gelcoats staining may occur if a coloured PVA is used. Recoating for multiple release is recommended rather than cleaning, always ensure the surface is clean. The shelf life of PVA is 12 months. 1litre should give application coverage of approximately 8-9 sq. metres

PACKAGING: 1ltr liquid, 5ltr liquid, 20ltr liquid