

PROCAD

GRS

BARRIER LIQUID FOR RESIN CASTING

Procad has been developed, tested and approved for two applications when producing resin pieces or patterns from Cadcam Rapid Prototype printers. Resin pieces or patterns are produced to either manufacture rubber moulds using the resin pattern as master pieces or for producing trees to direct cast the resin patterns or pieces.

For both of these applications we have been able use Procad to over come problems when producing rubber moulds or when direct casting the resin pieces or patterns.



Rubber Moulds Manufactured with Resin Patterns

It is common to find that the resin patterns are stuck to the rubber which affects the cutting technique and design, making the mould unsuitable to inject wax pieces into them.

By dipping a resin piece or pattern into Procad once or twice before inserting it into the rubber before vulcanising will prevent this from happening. The Procad coats the resin patterns and creates a barrier to stop the rubber from migrating into the pores or sticking to the surface.



Direct Casting of Resin Pieces or Patterns

The most common problem when direct casting of resin pieces or patterns is rough surfaces and inclusions. Resin expands and boils disturbing the surface of the investment powder creating the rough surfaces. The resin can also migrate into the investment powder or the opposite, by the investment migrating into the resin surface causing rough surfaces or inclusions.

To overcome this the resin piece can be dipped in Procad between 5 to 10 times to avoid this. The amount of time a resin pieces can be dipped in Procad depends on the design and it is recommended to reduce the dipping if the piece is small, contains tiny holes, recesses for stone setting or is filigree in design.



Not Dipped -
Sticking to Mould



Dipped in Procad



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Procad comes in 160g tins and is now packed in a small box which will also be packed in a bigger box containing 8 boxes.

For further information or technical support please contact:

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