

Preparing the model



Models are made in a wide range of materials whose surface condition and porosity can be changed by ageing. Even though Rhodorsil® RTV 2's inherently do not adhere to most materials, it is usual to take certain precautions before taking impressions. It is notably

recommended to prepare the model to avoid any RTV sticking and thus damaging the model. Various possibilities are offered to the user the following examples – which are not limiting – have been tested in our laboratories.

<i>Type of model</i>	<i>Recommended treatment</i>
PLASTER, CONCRETE, STONE, "BISCUIT", TERRACOTTA, ETC...	Remove dust and apply a pore filler from among the following: <ul style="list-style-type: none"> - polyvinyl alcohol type 4/125 diluted - soaping: dissolve 250 g of glycerine soap in one litre of boiling water; use once cool - wax or paraffin deposit (diluted to 5% in xylene) - Vaseline deposit - varnishing: gum lacquer or cellulose or acrylic varnish
METAL	<ul style="list-style-type: none"> - degreasing with a solvent or washing with a water based solution made with 5% liquid detergent, then drying - Wax
GLASS, PORCELAIN, CERAMICS	<ul style="list-style-type: none"> - Apply a very thin coat of Vaseline
LEATHER	<ul style="list-style-type: none"> - Apply a very thin coat of Vaseline - Wax
WOOD	<ul style="list-style-type: none"> - Apply wax or Vaseline, a cellulose pore filler or cellulose varnish
PLASTICS	<ul style="list-style-type: none"> - Degrease with an appropriate solvent for the plastic concerned
RTV 2	<ul style="list-style-type: none"> - Apply a very thin coat of Vaseline - Wax
RESINS (POLYURETHANE, POLYESTER, EPOXY, ACRYLIC, ETC)	<ul style="list-style-type: none"> - Apply a polyvinyl alcohol, then a very thin coat of Vaseline - Wax
WAX	No treatment required



Positioning the model

When cast moulding, the model is installed in a frame that can be dismantled or left in place. The following precautions should be taken:

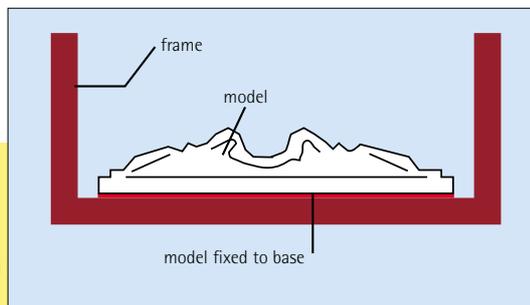
- the model must be held in place on the rigid base, either by attaching it or by bonding it temporarily using an adhesive or modelling dough (e.g. plastiline) etc.

- any gaps that we do not want to take the imprint of must be previously filled with plastiline. It is also recommended to seal the base of the model.

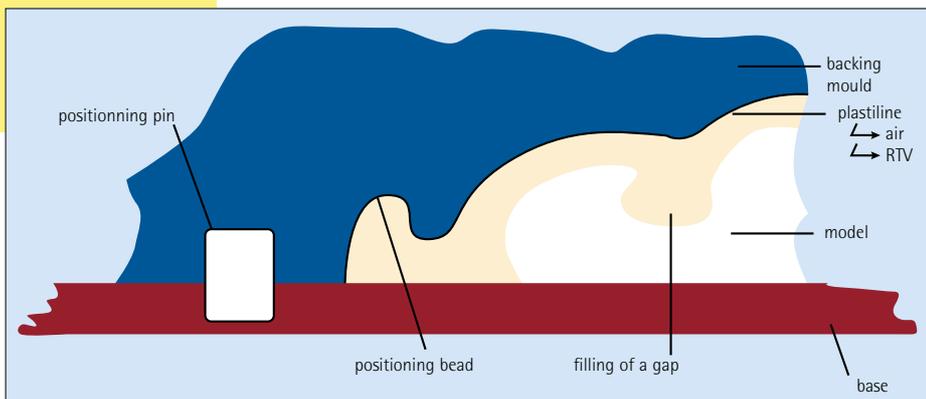
To create the casing, use the following materials:

- glass, wood, plastics, metals, earth, plastiline*, cardboard, etc. with the usual precautions (surface preparation).

Initial model (block moulding)



Detail of preparation and marking (skin moulding method)



Symbols used in the diagrams

	model		plastiline		Rhodorsil® RTV 2
	backing mould material		casting material		

*Food grade plastiline for polyaddition RTV 2's

PREPARING THE MODEL: PARTICULAR CASE OF HISTORICAL OBJECTS AND MONUMENTS.

This type of moulding requires a specific approach in order to avoid damaging the models. Notably, we have to ensure the compatibility between the model and the insulating products (pore fillers, release agents). It should also be checked that if demoulding takes place significantly after the recommended time (23°C for 24 H) has lapsed, there is no adhesion (phenomena) onto the model. This can be performed on a non-visible part of the model (e.g. the base) or on a test sample.

