

## Silicon Casting Pastes (RTV\*)

The art-idea form system is based on four different condensation-vulcanized silicon casting pastes. Each of these silicones has special characteristics and is designed for a specific field of application. The advantage is that all casting materials can be combined and mixed with each other, which enables one to create special silicones to solve any problem situation during casting.

Mixing examples:

Mix Sicotin HB with Silcoflex HE to create a very elastic, heat resistant and tear resistant casting material:

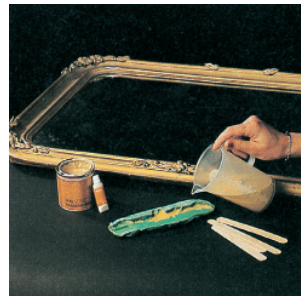
to make forms for casting with low-melting metals, e.g., tin figures with complicated forms and backgrounds.

Mix Silcolan NV with Silcoform HV in order to attain an elastic and thixotrope form building paste.

Mix Silcoform HV with Silcoflex HE in order to create a casting paste with which to make elastic shell forms. This mixing process results in a smooth, low-cost form material with which one can make sturdy support- or main forms.

The choice of mixing components differs and must be determined by the user, e.g., by the field of application.

(\*room temperature vulcanized)



## Silcolan NV – Silicon Rubber Paste RTV

A flowable 2-component silicon casting paste especially for one- or multiple part forms to cast reliefs, figures, as well as technical objects. The form-casting paste is elastic and features a high tear strength together with its casting precision. One- or multiple form parts can be cast with Silcolan NV along with simple negative forms in order to apply the most important techniques with this high-quality form-casting paste.

The Silicon Rubber Paste is distinguished by its reliable handling qualities. It is important to mix the form-casting paste with at least 2 % Silicone-Vulcanizer and let it harden completely.

Silcolan NV can also be mixed with Silcoform-HV, which is recommendable if you require a thixotrope but yet smooth casting paste to cast wall- and ceiling reliefs. If you mix Silcolan NV with Silcoflex HE you will have an elastic and sturdy form-casting paste, which is excellently suited to cast wax (candles). Forms made of Silcolan-NV have an excellent separating power in relation to wax.

Silcolan NV is available for delivery complete with the required hardener, a mixing cup, and detailed instructions.

### Vulcanizer characteristics:

Density:	1.24 g/cm <sup>3</sup>	–	linear shrinkage:	0.4 %
Shore hardness:	30 after 14 days			
Elongation at wear:	250-300 % DIN 53 504 N			
Viscosity:	20 000 m/Pas	PK 25 ° C/D625 sec.		
Tear strength:	ASTM D 624, B	N/mm 22		

60 400	Silcolan NV – Silicon Rubber Paste RTV	500 g	Tin	3
60 401	Silcolan NV – Silicon Rubber Paste RTV	1000 g	Tin	3
60 402	Silcolan NV – Silicon Rubber Paste RTV	5000 g	Bucket	1
60 403	Silcolan NV – Silicon Rubber Paste RTV	25 kg	Bucket	1