

# Formcast Rhino

## Product Description

FormCast Rhino is an easily pourable, thin-flow polyurethane cast resin that is suitable for many applications such as: decorative objects, prototypes, vacuum drawers, support caps, etc.

By adding fillers a pasteous resin can be obtained.

## Working Method

Stir the individual components well before use. Weigh or measure both parts accurately and assemble in a clean and dry container and mix for 30 to 60 seconds. For the mixing cup, best use PP or PE plastic cups. Avoid contact with moisture as this will cause foam formation of the resin. When using Urefil filler, add these to the individual components and stir until both have the same viscosity. Then let both of these components effortlessly blend together

## Storage

Store at 18 - 25 °C. Immediately close contaminated packaging to avoid contact with moisture from the air. Once the packages have been opened, the material is limited and can be shielded.

## Safety

Avoid contact with skin and eyes. It is recommended to wear protective clothing such as: a long sleeve shirt, laboratory gloves, safety goggles and carbon foot mask.

## Environment

Hardened material can be treated as ordinary household or industrial waste. Unhardened components should be deposited at a collection point for chemical waste.

## Technische gegevens uitgehard product

Property	Standard	Unit	Value
Flexural strength	EN ISO 178	Mpa	60 ± 5
Elongation at break	EN ISO 178	%	12 ± 0,3
E-modulus	EN ISO 178	Mpa	1000 ± 100
Impact (Charpy)	EN ISO 179	kJ/m2	26 ± 2,5
Compressive Strength	EN ISO 604	Mpa	47 ± 5
Heat Stability (HDT)	DIN EN ISO 75B	°C	84 ± 3
Shore hardness	DIN ISO 7619-1	Shore D	72 ± 2
Linear expansion coefficient	DIN 53752	10-6K-1	-
Linear shrinkage	Intern	%	-

## Technische gegevens geleverd product

Product	Mixed	Component A	Component B
Colour	Ivory	White	Yellow
Mixing ratio weight	n.a.	100	100
Mixing ratio volume	n.a.	100	102
Viscosity (25 °C) (mPas)	75 ± 20	150 ± 20	25 ± 10
Specific weight (20 °C) (g / cm3)	1,10 ± 0,02	1,12 ± 0,02	1,10 ± 0,02
Potlife 200 gram / 20 °C	2,5 - 3,5 min	n.a.	n.a.
Demoulding Time	0,5 - 1,5 hr	n.a.	n.a.