

# WOODRESIN PREMIUM CAST RESIN



2K epoxy casting resin crystal clear with WOODRESIN 30 PREMIUM HARDENER, 100 ULTRA PREMIUM HARDENER and 150 ULTRA PREMIUM HARDENER

## Area of application

Use WOODRESIN PREMIUM CAST RESIN in the production of:

- River Tables and Ocean Tables
- Resin and wood lamps
- Hybrid woods
- Coaster
- Serving and chopping boards
- And much more.

## Core properties

Sealing resin for tables and decorative objects (LEBENSMITTELECHT)

- With 30 PREMIUM HARDENER for layers up to 1 cm

Volume casting resin for tables and decorative objects

- With 100 ULTRA PREMIUM HARDENER for layers from 1 cm to 5 cm

Volume casting resin for tables and decorative objects

- With 150 ULTRA PREMIUM HARDENER for coatings from 2 cm to 6 cm

- Can be colored with effects from our EFFECT® PREMIUM series



## Processing instructions

For processing you need...

### Protective equipment



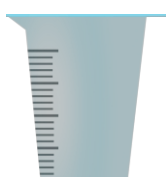
Nitrile gloves / safety goggles

### Mixing container

<2

kg

kg>2

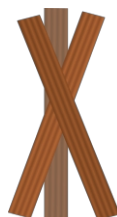


Mixing cup



Mixing bucket

<300 g0



Stirrer Cast 60 Stirring Stick

.5 - 5



kg2 - 15

Stirrer Cast 80

kg15 - 40 kg



Stirrer MR 5

## Preparation

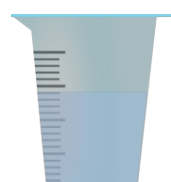
Items to be poured in objects must be dried (residual moisture < 13%) before processing begins...  
...from loose components, solvent, grease and oil residues.  
...be sealed.

Keep resin and hardener ready at a temperature of 20°C.

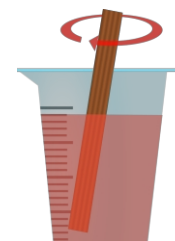


Details can be found at [www.woodresin.eu](http://www.woodresin.eu)

Coloring the resin with...



EFFECT® PREMIUM products Series



## Process

Either calculate the required quantities of resin and hardener yourself or take sample values from the following table:



WOODRESIN® PREMIUM  
Straßfeld 12 - 94209 Regen  
Phone: +49 9921 971 531 55  
E-mail: [post@woodresin.eu](mailto:post@woodresin.eu)  
[www.woodresin.eu](http://www.woodresin.eu)

**Quantity PREMIUM CAST RESIN**



500 g  
1 kg  
1.5 kg  
5 kg

**ORDER**

**Calculation of resin and hardener quantities**

**Quantity 30 PREMIUM HARDENER**



300 g  
600 g  
900 g  
3 kg

Resin quantity =  
(desired quantity/160)x100

Hardener quantity =  
desired quantity-resin  
quantity

**Quantity 100 ULTRA PREMIUM HARDENER**



225 g  
450 g  
675 g  
2.25 kg

Resin quantity =  
(desired quantity/145)x100

Hardener quantity =  
desired quantity-resin  
quantity

**Quantity 150 ULTRA PREMIUM HARDENER**



250 g  
500 g  
750 g  
2.5 kg

Resin quantity =  
(desired quantity/150)x100

Hardener quantity =  
desired quantity-resin  
quantity

**Processing with WOODRESIN 30 PREMIUM HARDENER - Sealing resin**

**General information**

**Minimum pouring height**

1mm

**Maximum pouring height**

1cm\*

\*at max. 10 kg

**Mixing ratio A : B (weight!)**



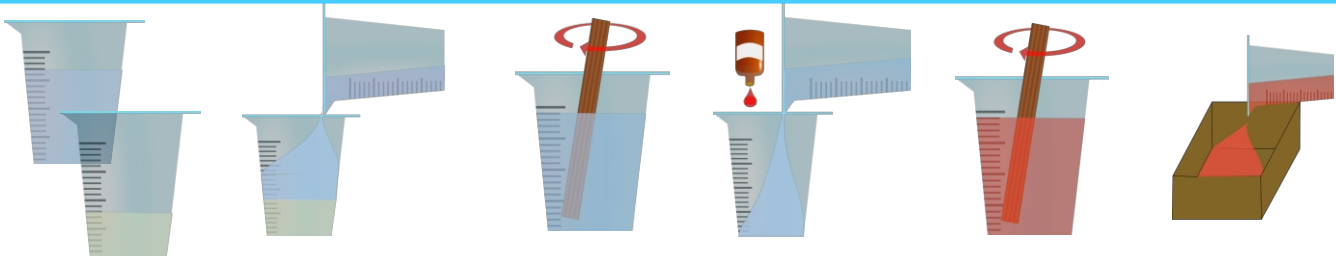
**Processing temperature**



15 - 20 °C

For scratch-resistant and food-safe sealing and casting work in thin layers

**Processing**



For partial mixtures: Weigh resin and hardener exactly into separate containers.

Add the resin component to the hardener and mix thoroughly. Pay particular attention to **edges and floor areas!**

Mix until no more streaks are visible.

Pour the mixture into a second, clean mixing container (repot). EFFECT if applicable® admit

Shuffle again.

Pour out the mixture.

Observe the maximum layer heights when pouring and only ever mix the required quantities. Do not use any other additives, such as deaerators (these can have a negative effect on the properties of the resin - for example, they can cause clouding). Thick layers and high temperatures cause the material to harden faster than specified. The mixture also becomes hotter, which can result in yellowing, boiling bubbles, stress cracks and increased shrinkage.

**Curing (at 20°C)**



**15 - 20 minutes**

Processing time / pot life

**8 - 12 hours**

Tack-free / next layer possible

**24 hours**

Demoldable / dimensionally stable

Avoid frost and moisture during curing and in the following 7 days.

**Post-processing**



**3 days**

Sandable (coarse sanding)

**7 days**

Sandable (fine sanding and wet sanding)

**7 days**

Final strength



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# Processing with WOODRESIN 100 or 150 ULTRA PREMIUM HARDENER

## - Volume casting resins

### General information

	Minimum pouring height	Maximum pouring height	Mixing ratio A : B (Weight!)	Processing temperature
100 ULTRA PREMIUM HARDENER	1cm* <small>*at max.: 100 kg</small>	5cm** <small>**at max.: 25 kg 2.5 cm at max.: 50 kg 50 kg</small>	A 100 B 45	15 - 20 °C
150 ULTRA PREMIUM HARDENER	2cm* <small>*at max.: 90 kg</small>	6cm** <small>**at max.: 25 kg 33 cm at max.: 50 kg</small>	A 100 B 50	15 - 20 °C

### Processing

- For partial mixtures: Weigh resin and hardener exactly into separate containers.
- Add the resin component to the hardener and mix thoroughly. Pay particular attention to **edges and floor areas!**
- Mix until no more streaks are visible. Wait 10 minutes.
- Repot the mixture in a second, clean mixing container. EFFECT if applicable® admit
- Shuffle again. Wait 10 minutes. Mix one last time.
- Pour out the mixture. If several mixtures are to be poured into the mold, they must be poured at the same time - not one after the other!

Observe the maximum layer heights when pouring and only ever mix the required quantities. Do not use any other additives, such as deaerators (these can have a negative effect on the properties of the resin - for example, they can cause clouding). Thick layers and high temperatures cause the material to harden faster than specified. The mixture also becomes hotter, which can result in yellowing, boiling bubbles, stress cracks and increased shrinkage.

### Curing (at 20°C)

100 ULTRA PREMIUM HARDENER	Processing time / Pot life / Adhesive-free / next shift possible	150 ULTRA PREMIUM HARDENER
2 - 4 hours	Demoldable / dimensionally stable	3 - 5 days
3 days		3 days
4		4 days

Avoid frost and moisture during curing and in the following 7 days.

### Post-processing

100 ULTRA PREMIUM HARDENER	150 ULTRA PREMIUM HARDENER
hours 7	7 days
days 8	8 days
days 8	8 days

Sandable (coarse sanding) Sandable (fine sanding & wet sanding) Final strength



## Work equipment cleaning

You can use acetone / acetone pure or suitable cleaners to remove liquid resin residues from the tool. Please carry out cleaning work in a well-ventilated working area. Please observe the safety instructions for the respective cleaning agent. The tools should be aired out well after cleaning to avoid contamination with new resin deposits. Cured resin residues can only be removed mechanically, for example by sanding.

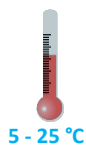
## Storage

Please store the material separately from drinks, food and animal feed, out of the reach of children and securely closed.

Store product at **10°C - 25°C**, dry and protected from direct sunlight.

Under these conditions, the product can be stored for 6 - 9 months in the sealed original container. Store away from salts, oxidizing agents, base metals or chips and sources of ignition.

At cooler temperatures, the resin may crystallize. This condition can be reversed by gentle heating.



## Safety instructions

**Do not EAT, DRINK, SMOKE or SNUSE.**

**Always wear gloves and safety goggles when working with the product. Please follow the instructions on the label and request our safety data sheets if you have any further questions. Our safety department will be happy to answer any questions you may have.**



### After inhalation

After inhaling decomposition products, bring the affected person to the fresh air, keep warm and allow to rest horizontally.

### After eye contact

Immediately rinse carefully and thoroughly with eye wash or water. In case of contact with the eyes, immediately open the eyelids and hold them open for 10 to 15 minutes. Rinse with running water for several minutes and consult an ophthalmologist.

### Fire fighting

**Suitable extinguishing agents:** carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray, foam  
**Unsuitable extinguishing agent:** Full water jet

### After skin contact

In case of contact with skin, wash off immediately with plenty of soap and water. Remove soiled, soaked clothing immediately. If skin irritation occurs, consult a doctor.

### After ingestion

If swallowed, drink immediately. If swallowed, rinse mouth with plenty of water (only if the person is conscious) and get medical help immediately. **Do not induce vomiting.**

Please refer to the applicable safety data sheet and the relevant information sheets of the German Employers' Liability Insurance Association for the chemical industry for information on handling and disposing of the products.

Please refer to the applicable safety data sheet and the relevant information sheets of the German Employers' Liability Insurance Association for the chemical industry for information on handling and disposing of the products.

The above information, in particular the suggestions for the processing and use of our products, is based on our knowledge and experience under normal circumstances. Due to the different materials, substrates and deviating working conditions, no guarantee of a work result or liability, irrespective of the legal relationship, can be established either from these instructions or from verbal advice, unless intent or gross negligence is involved. The user must prove that he has provided us in writing with all the information required for a proper and promising assessment in good time and in full. Third-party property rights must be observed. In all other respects, our respective terms and conditions of sale and delivery shall apply. The latest technical data sheet, which should be requested from us, shall apply. Please observe the applicable statutory and country-specific regulations.

Further information on safety during transportation, storage and handling, as well as disposal and ecology, can be found in the current safety data sheet and the brochure "Epoxy resins in the construction industry and the environment" published by Deutsche Bauchemie. e.V. (latest issue). If you have any questions, please do not hesitate to contact us during our business hours (Monday to Thursday from 7 a.m. to 4 p.m., Friday from 7 a.m. to 1 p.m.).

### General questions:

Germany

[post@woodresin.eu](mailto:post@woodresin.eu)

Switzerland

[schweiz@woodresin.eu](mailto:schweiz@woodresin.eu)

### Emergency information:

Germany 0049 9921 971531-91

Switzerland Tox Info Suisse 145



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## Application examples

### Mold making

Only use **NON-absorbent material** when making molds. Otherwise you will not be able to demold your casting!

**DO NOT** use vinegar-cured sanitary silicone to seal your mold. This will lead to hardening problems, unwanted reactions with the resin, bubble formation, etc.



### Sealing

Our WOODRESIN PREMIUM CAST RESIN with 30 PREMIUM HARDENER is ideal for thin sealers.

Seal **ALL** objects at least twice before casting them in resin. Air bubbles can escape from unsealed objects. This can also lead to unwanted reactions between the resin and the object, which can subsequently cloud the casting resin.

Without proper sealing, adhesion problems can also occur.



### Fixing

Our WOODRESIN PREMIUM CAST RESIN with 30 PREMIUM HARDENER is ideal for thin fixing layers.

The fixing layer makes it possible to drape objects in a controlled manner in the way you want them. This prevents objects from floating around in an "uncontrolled" manner.



### Potting

For thick cast layers, our WOODRESIN PREMIUM CAST RESIN with

- 100 ULTRA PREMIUM HARDENER
- 150 ULTRA PREMIUM HARDENER

Mix thoroughly, calmly and carefully! Inadequately mixed resins cause problems such as stress cracks, discoloration, poor curing, etc. Take your time here in order to obtain a PREMIUM product later on. Always pay attention to the ambient temperature when casting! An ambient temperature above 20°C can cause the resin to boil. Boiling bubbles, stress cracks and discoloration are the result. Do not exceed the maximum layer height! This will cause the resin to become too hot during curing and may start to boil. Boiling bubbles, stress cracks and discoloration are the result.



### Final finish

Our WOODRESIN PREMIUM CAST RESIN with 30 PREMIUM HARDENER is ideal for a thin, high-gloss final finish.

### Care instructions

Our food-safe WOODRESIN PREMIUM CARE OIL is suitable for the care of wooden surfaces

