80 ULTRA PREMIUM CAST RESIN

2K epoxy casting resin with WOODRESIN 80 PREMIUM HARDENER

WOODRESIN PREMIUM

Area of application

Use WOODRESIN 80 PREMIUM CAST RESIN in the production of:

- Objects for woodturning
- Hybrid woods
- Coasters and cutting boards
- And much more.

Core properties

- for small volumes
- for medium layers
- Ideal for workpieces for woodturning and cutting boards
- Can be colored with effects from our **EFFECT PREMIUM series**

Processing instructions

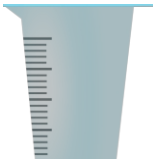
For processing you need...

Protective equipment

Nitrile gloves / safety goggles

Mixing container

<2 kg



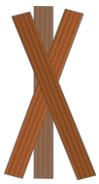
Mixing cup

>2 kg

Mixing bucket

Stirrer

<300 g



Stirring sticks

0.5 - 5 kg

Stirrer Cast 60

EFFECT

Colors, if applicable

Preparation

Objects to be poured in must be dried before processing (residual moisture < 13%).
Clean off loose components, solvent, grease and oil residues.
Seal before pouring.

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

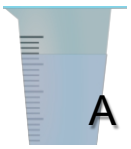
Details can be found at www.woodresin.eu

Coloring the resin with...

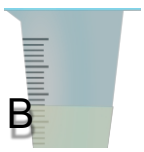
Process

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

Quantity PREMIUM CAST RESIN		Quantity 80 PREMIUM HARDENER
A	150 g	60 g
	200 g	80 g
	1 kg	400 g
	2 kg	800 g



+



ODER

Calculation of resin and hardener quantities

Resin quantity =
(desired quantity/140)x100

Hardener quantity =
Desired quantity-resin quantity

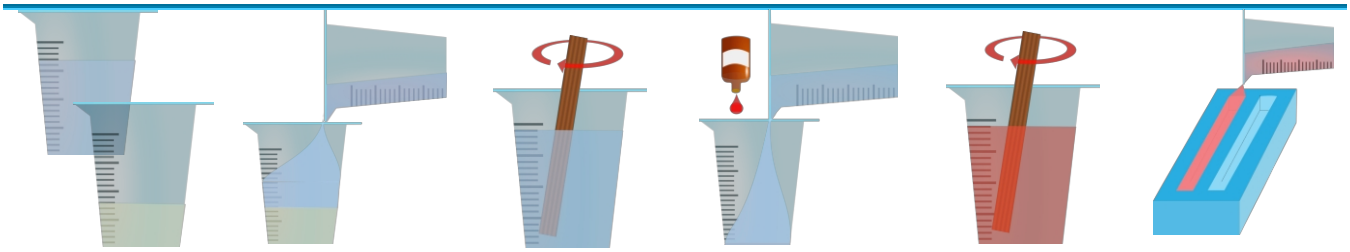
WOODRESIN ® PREMIUM
Straßfeld 12 - 94209 Regen
Phone: +49 9921 971 531 55
E-mail: post@woodresin.eu
www.woodresin.eu

All Rights Reserved
All information without guarantee

General information

	Minimum pouring height	Maximum pouring height Maximum	Pouring volume	Mixing ratio A : B (weight!)	Processing temperature
Scantling	1 mm	4 cm* *at max. 250 g 2.5 cm at max. 2.8 kg	0.25 liter	A 100 B 40	15 - 20 °C
Cutting board	1 mm	2.8 cm* *at max. 2.8 kg 11 cm at max. 10 kg	2.8 liters	A 100 B 40	15 - 20 °C

Processing



For partial mixtures: Weigh resin and hardener 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). If necessary. EFFECT admit.	Mix again and	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 cloudiness.
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)

Scantling	Processing time / pot life Tack-free / next layer possible Demoldable / dimensionally stable	Cutting board
60 - 90 minutes		60 - 90 minutes
8 - 10 hours		5 - 6 hours
10 - 12 hours		8 - 10 hours

Post-processing

Scantling	Sandable (coarse sanding) Sandable (fine sanding & wet sanding) Final strength	Cutting board
3 days		3 days
7 days		7 days
7 days		7 days

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

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.

WOODRESIN ® PREMIUM
Straßfeld 12 - 94209 Regen
Phone: +49 9921 971 531 55
E-mail: post@woodresin.eu
www.woodresin.eu

All Rights Reserved
All information without guarantee

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 - 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 base metals, chips and ignition sources.
At cooler temperatures, the resin may crystallize. This condition can be reversed by gentle heating.

Safety instructions

Do not EAT, DRINK, SMOKE or SNUSE.

Please wear gloves and safety goggles when processing. Please observe 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, remove the affected person to fresh air, keep warm and lie down.
let rest.

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

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 i s conscious) and get medical help immediately. **Do not induce vomiting.**

Fire fighting
Suitable extinguishing agents: carbon dioxide (CO_2), extinguishing powder or water spray, foam
Unsuitable extinguishing agent: Full water jet

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 for 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" from 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	Switzerland	schweiz@woodresin.eu

Emergency information:

	Germany0049 9921 971531-91		SwitzerlandTox Info Suisse 145

All Rights Reserved
All information without guarantee