

Safety data sheet 2-component epoxy resin

Premium 2-component epoxy resin

SKresin3221

Crystal clear epoxy resin with Epohard 3200

SKresin 3221 is clear, tack-free and glossy when cured. Our SKresin 3221 has improved UV stability and is suitable for small and medium-sized casting applications. The resin flows very well, which means that any air bubbles rise easily. The synthetic resin has even better UV stability and is highly optimized against yellowing. It also cures without bubbles, is resistant to water and moisture, low-viscosity, UV-stable, solvent-free and certified for contact with food. It also has a hot water resistance of 60°C and a heat resistance of 90°C.

Applications:

- You can laminate, paint, pour or roll the epoxy resin solution
- High-quality digital photo prints, can be coated directly (check or seal direct prints in advance during use, also available in our shop)
- Decorative resin embeddings, jewelry making
- Sealing of wood and filling of cracks depending on volume up to max. 2-3 cm
- Tip for the silicone molds: Once the resin piece has hardened, you can remove it from the silicone mold even more easily with the help of a soapy water bath.

Processing :

- Carefully mix the resin and hardener according to the mixing table. The bluish resin loses its natural color during mixing and hardening and becomes transparent and clear.
- The resin can also be mixed or processed with dry fillers.
- For small pieces of jewelry, layer heights of up to 6 cm are possible.
- Please close the container well and securely after each use so that no humidity collects in the container and the quality of the resin remains constant.

Processing data (100 g at 20°C) SKresin 3221 with Epohard 3200

	100 parts resin / 60 parts hardener
Mixing ratio (weight proportions)	E.g. measuring cup: 10ml resin & 6ml hardener Or 20ml resin & 12ml hardener
Processing time at 20°C	30 - 40 minutes
Tack-free at 20°C	8-12 hours; resilient after 24 hours
Final strength at 20°C	after 7 days

Cleaning of work equipment :

You can use acetone and appropriate cleaners (e.g. white spirit) to remove any remaining resin residue from the tool. Please carry out the cleaning work in well-ventilated rooms. Please note the safety instructions for the respective cleaning agent. The tools should be aired out well after cleaning to avoid contamination of new resin batches. Hardened resin can only be removed mechanically, for example by sanding.

Storage:

Please store the material separately from food and feed, and out of reach of children. Cool and dry, also tightly closed, dark, protected from sunlight and heat. Storage

temperature: 5 °C to max. 25 °C. Crystalline resin components are formed at cold temperatures and can be liquefied again by heating. Under correct storage conditions, the product can be stored in the original container for 6 to 9 months.

Safety instructions:



Do not EAT, DRINK, SMOKE or SNEW
Please wear protective equipment when processing
Please note the instructions on the label

General first aid instructions:

After inhalation of decomposition products, remove the affected person to fresh air, keep warm and allow to rest lying down.

In case of contact with skin, wash immediately with plenty of soap and water. Remove contaminated clothing immediately. If skin irritation occurs, seek medical attention.

In case of eye contact, rinse immediately carefully and thoroughly with an eye bath or water and consult an ophthalmologist.

If swallowed, rinse mouth with plenty of water (only if person is conscious) and get medical attention immediately.

Firefighting:

Suitable extinguishing agents: Carbon dioxide (CO₂), extinguishing powder or water spray, foam

Unsuitable extinguishing agent: Full water jet

Disposal:

Liquid or not fully cured epoxy resin and contaminated work materials and containers must be disposed of at a hazardous waste depot. Cured epoxy resin is a duraplastic plastic and can be disposed of in household waste.

The above information, in particular the suggestions for processing and using our products, is based on our knowledge and experience in normal cases. Due to the different materials, substrates and different working conditions, a guarantee of a work result or liability can be justified, unless there is intent or gross negligence.

More detailed information on safety for transport, 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 environment" from Deutsche Bauchemie eV (latest edition).

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