

Repair instructions for the **Epoxy repair kit**



**Read these instructions carefully before carrying out
and follow the work steps without fail!**

FOREWORD

For the production of our high-quality oak solid wood furniture, only woods from Germany from controlled cultivation are used. We make a point of air-seasoning our wood for at least 2 years before processing, so that we only have to remove the residual moisture from the wood during the subsequent chamber drying process. This approach has the great advantage that our wood is much less prone to cracking and deformation than wood that is cut open and kiln-dried immediately after felling. Nevertheless, solid wood is a living material that continues to change even after processing. Thus, small cracks in solid wood are natural and do not constitute a reason for complaint. They in no way affect the stability and durability of your table. Solid oak is characterized above all by its robustness and easy care. If you follow the most important care instructions, your piece of furniture will shine like the day it was delivered, even after several decades. However, a very warm, dry room climate can promote changes such as hairline cracks, warping and dry cracks on your solid wood elements and furniture. In particular, underfloor heating, fireplaces and direct sunlight are factors that have an unfavorable effect on the natural material wood. People and solid wood feel most comfortable at a humidity of between 50 and 60 percent water content. If the humidity is permanently lower, we recommend re-oiling the wood every four months rather than every six months. During the strong winter heating period, humidifiers can be used to counteract the dryness. If cracks have appeared in your solid wood furniture, there is no need to worry. With the help of our epoxy repair kit, you can seal them by yourself and thus restore the overall intact appearance of your solid wood product. Our repair kit is ideal for permanent bonding of wood and has a high adhesive strength, is tough-hard and sandable.

1. SCOPE OF DELIVERY

Quantity	Description
1	5-Minute Epoxy Repair Kit
1	Adhesive tape
1	Mixing cup
1	Gloves
1	Care set (optional)

2. PROCEDURE

1) masking

First, mask off exactly at the crack gap on the left and right as well as the bottom and front of the plate using the enclosed adhesive tape. We recommend taping as precisely as possible at the crack gap so that the resin mixture does not come onto the surface during casting, thus saving possible reworking.



2) Occupational safety

Now put on the enclosed gloves and wear them during the entire time of the repair or when handling the repair kit.

3) dispense & mix

Important note: The processing time is approx. 5 minutes and will be shortened with larger mixtures and increased ambient temperature!

Fill resin and hardener in a ratio of 1:1 in the enclosed mixing cup or a suitable base such as thick paper, cardboard or foil and mix quickly and thoroughly for approx. 1 minute with the wooden stirring spatula.

Caution!

**The resin/hardener mixture becomes warm!!
Take care when handling the mixing cup.**



4) Processing

After mixing the components, now fill the resin mixture into the gap until it is sealed. Pay particular attention to a flush finish of the surface for a planar appearance. The bond reaches its initial strength after approx. 10 minutes.



5) Finalize

Wait for the resin mixture to cure and after about 10 minutes, peel the tape off your plate. Anything that peeks out over the gap can be pulled off with a blade or knife.

6) Sanding & oiling (optional recommendation)*

Sand the surface until you obtain a planar surface and proceed as follows. If there are other damages in your board/surface in addition to the resin mixture, these should also be sanded out first over a large area with a coarse 80 grit sandpaper.

* SPONHOLZ wood care set required

After sanding with 80 grit, you should gradually re-sand with 150, 220 grit in the direction of the grain so that the sanding marks are no longer visible later. A hand sander will save a lot of effort here. Very deep large scratches are best filled with a hard wax or soft wax. Once all existing damage has been sanded out and filled, the top and edges should be sanded with 320 grit hand sandpaper in the grain direction of the wood.

Important note: After the surface has been sanded, the surface must be thoroughly cleaned and dusted before oiling.

Re-oiling is now done in 5 steps:

Step 1:

Apply wood oil to a lint-free cotton cloth and then rub in the direction of the grain of the wood until the surface shows even wetting. In areas where more wood oil is absorbed, you can re-oil as desired until the solid wood surface shows even saturation.

Step 2:

Allow the oil to sit on the surface for 20 to 30 minutes initially.

Step 3:

After soaking, remove the excess oil in the direction of the grain with a cotton cloth and repolish so that the surface is dry to the touch. Excess oil will not be absorbed by the surface and will tend to create a bacon-like, sticky surface. After about another 30 minutes, check surface for residue and repolish if necessary.

Step 4:

Allow surface to dry overnight.

Step 5:

Optimally, the surface has already reached an even saturation and no further re-oiling is necessary. However, if the wood fibers have stood up in some places, resulting in a rough surface, you should sand the surface again with 320 grit hand sandpaper and repeat the oiling process.

Important note: Please note that a small "cloud" will appear on the surface if the table top is only locally sanded and oiled.

Caution!

**Cloths saturated with wood oil can ignite themselves!
Always allow oil cloths to dry spread out!**