



ROMPOX® - D4000 HR

The quick repair mortar

ROMPOX® - D4000 HR is a 2-component epoxy resin repair mortar. This mortar is used for friction locked crack sealing and to repair edges or broken areas. Thanks to the high reactivity of the product, the surface can be re-opened to traffic very quickly. An application temperature of up to -10 °C | 14 °F makes this product unique. Whether for road damage, holes, breakage on curbstones or around manhole covers or cracks in floor coatings: the unique repair mortar ROMPOX® - D4000 HR can be used all year round, even at minus temperatures.

Properties

- surface depths from 10 mm | ³/₈"
- high strength
- for force-fit crack sealing
- for repairing edges/broken areas
- for the treatment of sinkholes and faulty areas
- quick re-opening to traffic
- can be applied up to -10 °C | 14 °F



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APPLICATION

Construction site requirements: The surface should be prepared according to the expected traffic loads. Loads that later go over the surface must not cause the surface to sink or loosen stones.

Preparation: Clean out joints to a depth of at least 10 mm. The surface should be load bearing, slightly rough, free of elutriants, dust and loose particles as well as free of oil, grease and other impurities that could act as separators.

If necessary: Pretreat the surface by sandblasting, shotpeening, grinding or milling. The minimum adhesion strength of the surface needs to be 1.5 N/mm² (Herion machine).

Mixing: Open the bucket, open the bottles within and pour the contents slowly and completely into the filler material component. In order to fully utilise the contents, when working during winter, the resin/hardener components should be brought up to room temperature before use. This makes it easier to empty the bottles and improves mixing. Start the mixing process. Do not add water! After 3 minutes of mixing time, pour the mortar into a clean, dry bucket and mix again for at least 3 minutes. When re-potting please ensure that any remaining resin on the bucket sides is scraped out and added to the new bucket. Total mixing time: at least 6 minutes. Use a professional whisk or concrete mixer.

Application breakage/holes: Pour the ready mixed repair mortar onto the surface and pre-distribute using a shovel or metal squeegee. Using a trowel, compact the mixture and smooth the surface. Good compacting is vital to ensure the longevity of the final product!

Application edge breakage/curbstone repair: Apply the ready mixed repair mortar using a trowel onto the area to be repaired and roughly mould to shape, then compact using a smoothing trowel and level off.

Tip: use a second trowel as "moulding" to create a well compacted edge. Larger vertical areas should be encased.

Professional tip: To achieve even better edge strength, with edge chipping and very shallow areas, mix the resin / hardener components in a separate bucket for 2 minutes and then add the contents to the filler component. Mix again for at least 3 minutes. Since a residue of the resin / hardener mixture always remains in the bucket, this residual amount can be used as a primer for the faulty area. To do this, use a brush to coat the resin / hardener mixture onto the area. The repair mortar is then processed wet in wet as described above.

All tools and work shoes should be cleaned in the event of work stoppage and after application with commercially available solvents (for example, ethanol, methylated spirits). The cured product can only be removed mechanically.

Subsequent treatment: Rain protection is not necessary in case of drizzle. In case of permanent or heavy rain, the freshly jointed surface should be protected against rain for 2 hours. The rain protection layer must not be laid directly onto the surface, this is to ensure sufficient air circulation. In case of doubt, please lay a sample surface before commencing application.

TECHNICAL DATA

System	2-component epoxy resin repair mortar	
Compressive strength	51.2 N/mm ² 7 426 psi Building site value	DIN 1164 part 7
Bending tensile strength	19.4 N/mm ² 2 814 psi Building site value	DIN 1164 part 7
Static elasticity module	8 900 N/mm ² 1 290 836 psi Building site value	DIN 1164 part 7
Hard mortar raw density	1.73 kg/dm ³ 1.0 oz/in ³ Building site value	
Application time at 20 °C 68 °F	10-15 minutes	ROMEX®-norm 04
Application temperature	-10 °C 14 °F up to max. 30 °C 86 °F At lower temperatures slow hardening, at high temperatures quick hardening	
Re-opening of surface at 20 °C 68 °F	after 2 hours can be walked on	
Storage life	24 months	
Storage	frostfree, dry	



GENERAL NOTES

Filler materials

All filler materials are natural products which are subject to natural colour deviations.

Water permeability coefficient

Water permeable according to „Leaflet on surfaces that allow for seepage“ (MVV), Issue 2013.

General notes

The information printed in this brochure is based on experiential values and the current levels of knowledge in science and practice, however they are not binding and have no legal force. All previous information becomes invalid with the issue of this brochure. Images similar. Effective June 2022. We reserve the right to make changes.

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