



# ROMPOX® - D2000

## The modern paving joint mortar

The modern 2-component paving joint mortar ROMPOX® - D2000 is for public surfaces that have heavy traffic loads. Thanks to its strong pouring capacity, it can be used for joint widths from 5 mm | ¼". D2000 is suitable for use with new jointing on squares, roads and paths as well as for the repair of existing paved stone surfaces as well as gutter mortar according to ATV DIN 18318:2006. In particular the quick re-opening to traffic after just 6 hours makes this paving joint mortar special.



### Properties

- for joint widths from 5 mm | ¼"
- for joint depths from 30 mm | 1 ¼"
- quick re-opening to traffic



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### APPLICATION

**Construction site requirements:** The surface should be prepared according to the expected traffic loads. The regulations and leaflets for the manufacture of paved surfaces should be heeded. Future loads must not cause the surface to settle or loosen stones. Ideally "ROMEX® - TRASS-BED – the frost resistant drainage mortar" should be used. See separate product information.

**Preparation:** Clean out joints to a depth of at least 30 mm | 1 ¼" (in case of traffic loads ⅔ of stone height), (minimum joint width 5 mm | ¼"). The surface to be jointed should be cleaned of all impurities before work commences. Adjacent surfaces that are not to be jointed must be taped off to avoid resin contact.

**Pre-wetting:** It is important to pre-wet the surface and keep it moist during the install. More porous surfaces, and/or hotter surface temperatures, will require more and consistent pre-wetting. Ensure water is not collecting in the joints.

**Mixing:** Pour the 25 kg | 55.1 lbs filler components completely into the mixer and start the mixing process. Whilst mixing, slowly add the separately packaged 2.5 kg | 5.51 lbs resin/hardener components (2 plastic bottles stuck to each other) completely into the mixture. After mixing for 3 minutes add approx. 3 litres | 0.8 gal of water and continue mixing well for at least 3 minutes.

**Application:** Apply the mixed paving joint mortar onto the well damp surface and work it carefully into the joints using a squeegee/rubber slider. In order to use the flow capability of the paving joint mortar, it should be poured onto three or four areas of the jointing area.

**Final cleaning:** After approx. 10 minutes (at 20 °C | 68 °F surface temperature) the excess mortar on the surface of the stones can be swept off carefully with a large, coarse broom. Then use a soft, hair broom to do a final cleaning until all residual mortar has been removed from the surface. The correct moment for sweeping, is when white smears no longer form on the stone surface during sweeping. Sweeping should be done diagonally to the joint. Do not re-use swept off material. Now thoroughly spray the paved surface with a fine water spray (distance of spray nozzle to stone surface approx. 25-30 cm | 10-12") and then sweep again with a wet hair broom.

**Subsequent treatment:** Rain protection is not necessary during drizzle. In case of permanent or heavy rain, the freshly jointed surface should be protected for 12 hours. Do not put the rain protection directly onto the surface, to ensure air circulation. During the initial period a very thin film of epoxy resin remains on the stone surface and intensifies the colour of the stone and protects it from dirt. This film, however, disappears from the surface in open weather and through abrasion in the coming months. In case of doubt always lay a sample surface before doing the entire jointing

### Technical data

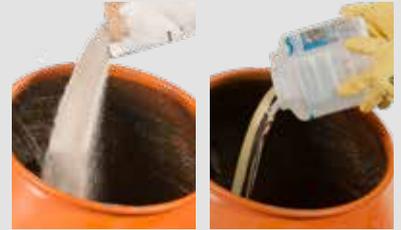
Test report no. 55-2909/04 CPH-7134-D2000, audited colour „neutral“, goods in bags.		
System	2-component epoxy resin paving joint mortar	
Compressive strength	51.9 N/mm <sup>2</sup>   7 528 psi Laboratory value 24.2 N/mm <sup>2</sup>   3 510 psi Building site value	DIN 18555 part 3
Bending tensile strength	15.4 N/mm <sup>2</sup>   2 234 psi Laboratory value 9.0 N/mm <sup>2</sup>   1 305 psi Building site value	DIN 18555 part 3
Static elasticity module	11 200 N/mm <sup>2</sup>   1 624 421 psi Laboratory value 2 390 N/mm <sup>2</sup>   346 640 psi Building site value	DIN 18555 part 4
Hard mortar raw density	1.76 kg/dm <sup>3</sup>   1.02 oz/in <sup>3</sup> Laboratory value 1.65 kg/dm <sup>3</sup>   0.95 oz/in <sup>3</sup> Building site value	DIN 18555 part 3
Application time at 20 °C   + 68 °F	20-30 minutes	ROMEX®-norm 04
Minimum hardening temperature	> 0 °C   > 32 °F (max. ≤ +25 °C   ≤ +77 °F)	Ground temperature
At lower temperatures	slow hardening	
At high temperatures	quick hardening	
Re-opening of surface	after 6 hours   after 24 hours	can be walked on   fully load bearing
Water permeability coefficient*	9.06 × 10 <sup>-6</sup> m/s   1,4 iph (with appropriate compacting)	for a joint fraction of 10 %
Storage life	24 months	resin/hardener components: frostfree filler components: dry

Consumption table in kg/m <sup>2</sup>   lb/sq ft - Basis of calculation: joint depth Ø 30 mm   1 ¼"							
Joint width	Stone size	40 × 40 cm 16" × 16"	20 × 20 cm 8" × 8"	16 × 24 cm 6 ¼" × 10"	14 × 16 cm 5 ½" × 6 ¼"	9 × 11 3 ½" × 4 ¾"	4 × 6 cm 1 ¾" × 2 ½"
	5 mm   ¼"	1.25   0.26	2.5   0.51	2.6   0.53	3.5   0.72	5.0   1.02	9.4   1.93
	8 mm   ⅜"	2.0   0.41	4.0   0.82	4.2   0.86	5.5   1.13	8.0   1.64	15.0   3.07
	10 mm   ½"	2.5   0.51	5.0   1.02	5.3   1.09	7.0   1.43	10.0   2.05	18.8   3.85
	Polygonal slabs	approx. 4-6   0.8-1.23					

All filler materials are natural products which are subject to natural colour deviations. 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 April 2018. We reserve the right to make changes.

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

All dimensions in inch are approximate values.



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