



## ROMPOX® - D2000

The modern pavement jointing mortar



The modern 2-component pavement jointing 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 | 1/4". 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 18318:2019. In particular the quick re-opening to traffic makes this pavement jointing mortar special.

### Properties

- joint widths from 5 mm | 1/4"
- joint depths from 30 mm | 1 1/4"
- sweeper-proof
- quick re-opening to traffic
- can be applied during drizzle
- self compacting
- water emulsifiable
- frost and de-icing salt resistant
- water permeable
- no cement haze / residue



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### APPLICATION

**Construction site requirements:** The foundation needs to be prepared according to the expected traffic loads. Regulations and leaflets regarding construction of paved stone surfaces should be heeded. Future loads must not cause the surface to settle or loosen stones. Ideally, you would use ROMEX® Trass-Bed products as well as the ROMEX® SYSTEM-GUARANTEE (RSG). For optimum application it is recommended using ROMEX® application tools.

**Preparation:** Clean out joints to a depth of at least 30 mm | 1 1/4" (in case of traffic loads 2/3 of stone height, minimum joint width 5 mm | 1/4"). The surface to be joint-fixed should be cleaned of all impurities before work commences. Adjoining surfaces that are not to be joint-fixed are taped off.

**Pre-wetting:** Pre-wet the surface. Porous surfaces as well as higher surface temperatures, require more intense pre-wetting.

**Mixing:** Pour the 25 kg | 55 lbs filler components into the mixing tub and start the mixing process. Whilst mixing, slowly add the separately packaged 2.5 kg | 5.5 lbs resin/hardener component completely into the mixture. In order to fully use the contents of the bottle, both bottles should be rinsed with water. To do this, fill up the two previously emptied resin / hardener bottles with 0.5 litres | 0.13 gal of water, close, shake vigorously and add the contents of the bottle to the mixture. After mixing for 3 minutes add 2 litres | 0.53 gal of water and continue mixing well for at least 3 minutes. Use professional agitator or rotary-drum mixer / compulsory mixer.

**Application:** Apply the mixed pavement jointing mortar onto the well moistened surface and work it carefully into the joints using a squeegee/rubber slider. The mortar is poured out at three or four spots within the jointing area in order to make best use of the fluidity of the pavement jointing mortar. If the ready mixed mortar is not used up straight away, before continuing with application and remaining within the stated application time, mix the remaining mortar through again briefly to ensure it has optimum flow capability. All tools as well as work shoes should be regularly cleaned with a water spray during jointing, to avoid impurities by binding agent and footprints on the stone surface.

**Final cleaning:** After approx. 10 minutes 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. Chamfered edges on slabs and clinker surfaces must be exposed, as sufficient adhesion in this area cannot be guaranteed. 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 reuse swept off material.

**Subsequent treatment:** Rain protection is not necessary during drizzle. In case of permanent or heavy rain, the freshly jointed surface should be protected for 12-24 hours. Do not put the rain protection directly onto the surface, to ensure air circulation.

**Important note - resin film:** 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. The resin film is temporary and will disappear over time due to weathering and abrasion. In case of uncertainty, a sample surface should be tested before the entire jointing is done. A resin film does not constitute an "application fault" and the quality of the surface is not compromised in any way. For further information please take note of the ROMEX® compendium.

### TECHNICAL DATA

Test report no. 55-2909/04 CPH-7134-D2000, audited colour „neutral“, goods in bags.	
System	2-component epoxy resin pavement jointing 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	15-20 minutes ROMEX®-norm 04
Application temperature	> 0 °C up to max. 30 °C   > 32 °F up to max. 86 °F At lower temperatures slow hardening, At high temperatures quick hardening
Re-opening of surface at 20 °C   68 °F	after 6 hours can be walked on, after 24 hours fully load bearing
Water permeability coefficient*	9.06 × 10 <sup>-6</sup> m/s ≈ approx. 0.03 l/min/m <sup>2</sup> for a joint fraction of 10 % 1.3 iph ≈ approx. 0.0007 gal/min/sqft for a joint fraction of 10 % (with appropriate compacting)
Storage life	24 months
Storage	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 1/4"		80 × 40 cm 31 1/2" × 15 3/4"	60 × 60 cm 23 1/2" × 23 1/2"	40 × 40 cm 15 3/4" × 15 3/4"	32 × 24 cm 12 1/2" × 9 1/2"	24 × 16 cm 9 1/2" × 6 1/4"	9 × 11 cm 3 5/8" × 3 5/8"
Joint width	5 mm   1/4" (min.)	0,9 kg 2,1 lbs	0,8 kg 1,9 lbs	1,2 kg 2,7 lbs	1,8 kg 3,9 lbs	2,5 kg 5,6 lbs	4,7 kg 10,3 lbs
	10 mm   3/8"	1,8 kg 4,1 lbs	1,6 kg 3,6 lbs	2,4 kg 5,4 lbs	3,5 kg 7,6 lbs	4,8 kg 10,6 lbs	8,5 kg 18,7 lbs
Polygonal slabs		approx. 4-6 kg   8-13 lbs					

! joint depth in case of traffic loads 2/3 of stone height

Further information, films and consumption calculator can be found at [www.romex-ag.de](http://www.romex-ag.de)



### GENERAL NOTES

**Limitation of use, use category and load classes**  
Indicates the load-bearing capacity of a sub-structure and superstructure manufactured according to German standards in accordance with RSt0 12, ZTV-Wegebau, DIN 18318. These are terms from German standards, regulations and guidelines for road construction, civil engineering and pavement construction.

**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 May 2022. We reserve the right to make changes.

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