



# ROMEX® D1

## Commercial Resin Jointing

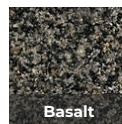
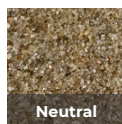
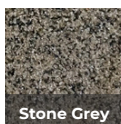
ROMEX D1 installs just like all of our other two-component jointing mortars, simply combine with water in a gravity mixer to create a slurry-like mortar that easily seeps into your paver joints using a squeegee on pre-wet pavers. This product is a great solution for public spaces and areas requiring vehicle use on joint widths greater than 1/8" | 3mm on porcelain tile and 1/8" | 3mm on natural stone or concrete pavers.

**Ideal for plazas & light to medium traffic loads.**

- For traffic loads up to 7.5 T (40T with ROMEX TRASS BED)
- Self-compacting
- Pressure washer safe
- Increased pouring capacity
- Water emulsifiable



Vehicle Rated





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### APPLICATION

**Foundation Preparation:** Prepare the foundation based on the expected traffic and adhere to the ROMEX® SYSTEM-GUARANTEE (RSG). Utilize ROMEX® application tools for optimal results.

**Joint Preparation:** Clean joints to a depth of at least 30 mm | 1 ¼" (or ⅔ of stone height for traffic loads, minimum joint width 3 mm | ⅛"). For slab thickness under 30 mm, use bonded laying methods and fill joints entirely with ROMEX® - D1. Clean the joint-fixed surface of all impurities before starting work. Tape off adjacent surfaces not to be joint-fixed.

**Pre-wetting:** Pre-wet the surface; porous surfaces and higher 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 3 litres | 0.8 gal of water and continue mixing well for at least 3 minutes. Use a professional mixing bucket with corded drill mixer or concrete mixer for best mixing results.

**Application:** Apply the mixed mortar onto the moistened surface and work it into the joints using a squeegee/rubber slider. Pour mortar at several spots within the jointing area for best flow. Clean tools and work shoes regularly during jointing to prevent impurities. On warm days or to increase flow, the D1 mortar can be sprayed with water.

**Final Cleaning:** After 10-15 minutes, sweep excess mortar off the stone surface with a coarse broom, then perform a final cleaning with a soft broom until all residual mortar is removed.

**Subsequent Treatment:** Protect the freshly jointed surface from rain for the next 12-24 hours. Ensure rain protection layer allows for sufficient air circulation.

**Resin Film:** Initially, a thin film of epoxy resin remains on the stone surface, enhancing color and protecting from dirt. This film is temporary and will diminish over time due to weathering and abrasion. Test a sample surface if uncertain before jointing. A resin film does not indicate an application fault, and surface quality is not compromised.

Test report, audited colour „neutral“, goods in bags.		
System	2-component epoxy resin pavement jointing mortar	
Compression strength	25.8 N/mm <sup>2</sup>   3 742 psi Laboratory value 16.6 N/mm <sup>2</sup>   2 408 psi Building site value	DIN 18555 part 3
Bending tensile strength	12.0 N/mm <sup>2</sup>   1 740 psi Laboratory value 7.9 N/mm <sup>2</sup>   1 145 psi Building site value	DIN 18555 part 3
Static elasticity module	8 000 N/mm <sup>2</sup>   1 160 302 psi Laboratory value 2 180 N/mm <sup>2</sup>   316 182 psi Building site value	DIN 18555 part 4
Hard mortar raw density	1.68 kg/dm <sup>3</sup>   0.97 oz/in <sup>3</sup> Laboratory value 1.43 kg/dm <sup>3</sup>   0.83 oz/in <sup>3</sup> Building site value	DIN 18555 part 3
Application time at 20 °C   68 °F	20–30 minutes	
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 24 hours can be walked on, after 6 days fully load bearing	
Water permeability coefficient*	7.5 × 10 <sup>-4</sup> m/s ≈ approx. 2.3 l/min/m <sup>2</sup> for a joint fraction of 10 % 106.2 iph ≈ approx. 0.06 gal/min/sqft 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	80 × 40 cm 31 ½" × 15 ¾"	60 × 60 cm 23 ½" × 23 ½"	40 × 40 cm 15 ¼" × 15 ¼"	32 × 24 cm 12 ½" × 9 ½"	24 × 16 cm 9 ½" × 6 ¼"	9 × 11 cm ¾" × ¾"
	3 mm   ⅛" (min.)	0,5 kg 1.1 lbs	0,4 kg 1.0 lbs	0,7 kg 1.4 lbs	1,0 kg 2.1 lbs	1,3 kg 3.0 lbs	2,5 kg 5.6 lbs
	10 mm   ¼"	1,6 kg 3.5 lbs	1,4 kg 3.2 lbs	2,1 kg 4.6 lbs	3,0 kg 6.6 lbs	4,2 kg 9.2 lbs	7,4 kg 16.2 lbs
Polygonal slabs	approx. 4–6 kg   8–13 lbs						

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### 1) MIXING

Mix all components with water in a bucket or gravity mixer



### 2) WET SURFACE

Pre wet the surface with a hose



### 3) POUR ON

Dispense product onto paving surface



### 4) WORK INTO JOINTS

Use a squeegee to distribute the mortar into the joints



### 5) FINAL CLEANING

Allow the surface to partially air dry before final brooming



**CALL BEFORE YOU INSTALL**

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