



## ROMEX® W1000

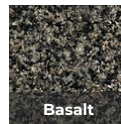
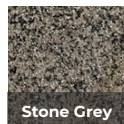
### Cold Climate Jointing

W1000 synthetic resin jointing mortar can be installed at negative temperatures as it will successfully cure in temperatures as low as -5 °C | 23 °F. It is resistant to street cleaning vehicles, allows for the quick re-opening of traffic and is ideal for public spaces and commercial yards. The compound has a high strength rating and is suitable for over 3/8" | 8mm wide joints on all natural stone and concrete pavers.

**Ideal for winter projects down to -5 °C / 23°F.**



Frost Resistant



- For traffic loads up to 25 T
- Can be installed up to -5 °C | 23 °F
- Resistant to street cleaning vehicles
- Allows for quick re-opening to traffic



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# ROMEX® W1000

## Cold Climate Jointing

### APPLICATION

**Construction Site Requirements:** Prepare the surface according to expected traffic loads. Follow regulations and guidelines for paved surfaces. Ensure future loads won't cause settling or loosening of stones. Use ROMEX® TRASS BED products and the ROMEX® SYSTEM-GUARANTEE (RSG) for best results. Use ROMEX® application tools for optimal performance.

**Important:** Store materials at room temperature (+20 °C). Mix at temperatures above 10 °C in a heated area. Application can be done at below-freezing temperatures. Due to potential yellowing, use the color tone "Sand-Basalt."

**Preparation:** Remove snow before jointing (e.g., with a tiger torch). Ensure joints are at a depth of at least 30 mm (1 ¼") or 2/3 of stone height for traffic loads, with a minimum joint width of 8 mm (3/8"). Clean the surface of impurities before starting. Tape off adjacent surfaces not to be jointed to avoid resin contact.

**Mixing:** Mix at above-freezing temperatures. Pour the 25 kg (55 lbs) filler component into a mixing tub and start mixing. Slowly add the 3.0 kg (6.6 lbs) resin/hardener component. **Do not add water.** If using a bucket: Mix for 3 minutes, then transfer to a clean, dry bucket and mix for an additional 3 minutes, ensuring all resin is scraped into the new bucket. If using a concrete mixer: Scrape all resin residue from the edges/sides of the mixer. Total mixing time: at least 6 minutes. Use a Drill mixer.

**Application:** Apply small amounts of the mixed mortar onto the surface and roughly distribute it using a spade or metal slider. Work the mortar into the joints with a rubber squeegee, ensuring it fills the joints completely. Regularly clean tools and work shoes with water during jointing to avoid impurities and footprints.

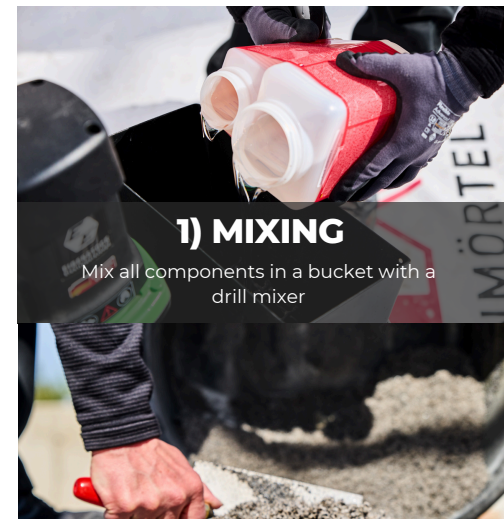
**Final Cleaning:** Immediately after application, sweep the surface with a coarse broom. Use a soft hair broom for final cleaning until all residual mortar is removed. Sweep diagonally to the joint. Do not reuse swept-off material.

**Subsequent Treatment:** Rain protection is unnecessary during drizzle. Protect the surface for 12-24 hours in case of heavy or continuous rain, ensuring air circulation.

**Important Note:** Thin epoxy resin film may remain initially, enhancing color and protecting from dirt. This film is temporary and will disappear over time due to weathering and abrasion. Test a sample surface if unsure before full application. A resin film is not an application fault and does not affect surface quality. Refer to your ROMEX® rep for more information.

Test report 16.12.2019, audited colour „neutral“, goods in bags.			
System	2-components epoxy resin		
Compressive strength	33.41 N/mm <sup>2</sup>   4 846 psi Laboratory value	DIN 18555 part 3	
Bending tensile strength	13,91 N/mm <sup>2</sup>   1 913 psi Laboratory value	DIN 18555 part 3	
Hard mortar raw density	1,61 kg/dm <sup>3</sup>   0.93 oz/in <sup>3</sup>	DIN 18555 part 3	
Application time at 20 °C   68 °F	15–20 minutes	ROMEX®-norm 04	
Application temperature	-5 °C up to max. 20 °C   23 °F up to max. 68 °F At lower temperatures slow hardening, At high temperatures quick hardening		
Re-opening of surface at 20 °C   68 °F	after 12–24 hours can be walked on, after 3 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 % (with appropriate compacting)		
Storage life	24 months resin/hardener components: frostfree, filler components: dry		

Consumption table in kg/m <sup>2</sup>   lb/sq ft - Basis for calculation: joint depth Ø 30 mm   1 ¼"							
Joint width	Stone size	80 × 40 cm 31 ½" × 15 ½"	60 × 60 cm 23 ½" × 23 ½"	40 × 40 cm 15 ½" × 15 ½"	32 × 24 cm 12 ½" × 9 ½"	24 × 16 cm 9 ½" × 6 ¼"	9 × 11 cm ¾" × ¾"
	8 mm   3/8" (min.)	1,5 kg 3.4 lbs	1,4 kg 3.0 lbs	2,0 kg 4.3 lbs	2,9 kg 6.3 lbs	4,1 kg 9.0 lbs	7,3 kg 16.0 lbs
	10 mm   3/8"	1,9 kg 4.1 lbs	1,7 kg 3.8 lbs	1,7 kg 3.8 lbs	3,6 kg 7.9 lbs	5,0 kg 11.0 lbs	8,8 kg 19.4 lbs
	Polygonal slabs	approx. 4–6 kg   8–13 lbs					



### 1) MIXING

Mix all components in a bucket with a drill mixer



### 2) POUR ON

Dispense product onto paving surface (pre-wet if possible)



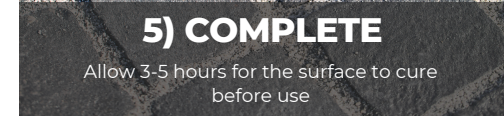
### 3) WORK INTO JOINTS

Use a squeegee to distribute the mortar into the joints



### 4) FINAL CLEANING

Allow the surface to partially air dry before final brooming



### 5) COMPLETE

Allow 3-5 hours for the surface to cure before use



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