

GOODBYE WORK INTERRUPTION!

- ON TIME COMPLETION OF PROJECTS
- NO WORK OR PAYMENT INTERRUPTION
- HIGHER OCCUPANCY RATE IN WINTER
- EQUALISATION OF APPOINTMENT BOOK



ROMPOX® - W1000

The pavement jointing mortar for winter use

Thanks to ROMEX® the winter time now becomes the time for jointing! Developed for the purpose of enabling construction sites to be completed during the cold season, ROMPOX® - W1000 is the first synthetic resin pavement jointing mortar, that can be used worldwide during permanent frost (day and night temperatures below 0 °C). ROMPOX® - W1000 hardens/cures perfectly at temperatures of up to -5 °C. Construction site delays caused by frosty temperatures are thus a thing of the past and allows for final invoices to be issued during winter.



Properties

- joint widths from 8 mm | $\frac{3}{8}$ "
- joint depths from 30 mm | 1 $\frac{1}{4}$ "
- jointing up to -5 °C
- resistant to street-cleaning vehicles
- high strength
- for completing construction sites in winter
- water permeable
- no cement haze / residue
- developed for builder's yards and professionals



sand-neutral



sand-stonegrey



sand-basalt

Bk
0,3-1,8

load class in accordance with RStO 12

N3

usage category



medium to heavy loads up to 25t



no weed growth



pressure washer use



frost- and de-icing salt resistant

ROMPOX® - W1000

The pavement jointing mortar for winter use

TRAITMENT

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, 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.

IMPORTANT: Store the material at room temperature (+20 °C). Mixing needs to be done at plus degrees, preferably at temperatures over 10 °C, for example in a heated construction cabin or heated tent. Application can be carried out at minus temperatures. Due to the relatively high yellowing effect, it is recommended using the colour tone „Sand-Basalt“.

Preparation: Remove snow before jointing i.e. by using a gas burner. 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 8 mm | ⅝"). 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.

Mixing: Mixing of mortar must be carried out at plus degree temperatures. Pour the 25 kg | 55 lbs filler components into the mixing tub and start the mixing process. Whilst mixing, slowly add the separately packaged 3.0 kg | 6.6 lbs resin/hardener component completely into the mixture. Do not add water! When mixing in a bucket: After 3 minutes of mixing time pour the pavement jointing mortar into a clean, dry bucket and mix for at least 3 more minutes. Please make sure that when pouring into the new bucket, all the resin remains on the inside of the bucket are scraped off and added to the new bucket. When using a concrete mixer, make sure to scrape out all resin residue from the edge/sides of the mixer. Total mixing time: at least 6 minutes. Use professional agitator or rotary-drum mixer / compulsory mixer.

Application: Apply the mixed pavement jointing mortar onto the surface and roughly distribute it using a spade or metal slider. Subsequently, work the pavement jointing mortar into the joints using a rubber squeegee, ensuring it compacts deep into the joints and fills them completely. 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: Immediately after application sweep the stone surface carefully with a coarse street broom. Then use a soft hair broom to do a final cleaning until all residual mortar has been removed from the surface. 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 16.12.2019, audited colour „neutral“, goods in bags.			
System	2-components epoxy resin		
Compressive strength	33.41 N/mm² 4 846 psi	Laboratory value	DIN 18555 part 3
Bending tensile strength	13.91 N/mm² 1 913 psi	Laboratory value	DIN 18555 part 3
Hard mortar raw density	1,61 kg/dm³ 0.93 oz/in³		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 °C 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 ⁻⁴ m/s ± approx. 2.3 l/min/m² 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/m² lb/sq ft - Basis for 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 ¾" × 15 ¾"	32 × 24 cm 12 ½" × 9 ½"	24 × 16 cm 9 ½" × 6 ¼"	9 × 11 cm ¾" × ¾"
	8 mm ⅝" (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 ⅞"	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					



Further information, films and consumption calculator can be find at www.romex-ag.de

Follow us on social media:



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 June 2020. We reserve the right to make changes.

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

ROMEX® GmbH
Industriepark Kottenforst
Mühlgrabenstraße 21
53340 Meckenheim
+49 (0) 2225 70954-20
www.romex-ag.de

