



ROMPOX® - DRAIN ^{PLUS}

The secure paving joint mortar



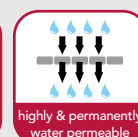
ROMPOX® - DRAIN plus is a 2-component epoxy resin paving joint mortar, that is used for surfaces with light to medium traffic loads. Our permeable paving joint mortar ROMPOX® - DRAIN has been improved to become „PLUS“ and can be applied at the lowest temperatures and in the rain. It is no longer necessary to cover the surface after application. It also enables an even quicker re-opening to traffic.

Properties

- for joint widths from 5 mm | ¼"
- for joint depths from 30 mm | 1 ¼"
- highly water permeable

The Plus

- can be applied during drizzle
- 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 stone surfaces should be heeded. Loads that later go over the surface must not cause the surface to sink 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" (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 into the mixing tub and start the mixing process. Whilst mixing, slowly add the separately packaged resin/hardener component (1.5 kg | 3.3 lbs) completely into the mixture. After mixing for 3 minutes add approx. 2 litres | 0.6 gal of water and continue mixing well for at least 3 minutes.

Application: Apply the mixed paving joint 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 paving joint mortar.

Final cleaning: After approx. 10-15 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. 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.

Subsequent treatment: Rain protection is not necessary during drizzle. In case of permanent or heavy rain, the freshly jointed surface should be protected for 6 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-DRAIN-PLUS, audited colour „neutral“, goods in bags.		
System	2-component epoxy resin paving joint mortar	
Compressive strength	24.1 N/mm ² 3 495 psi Laboratory value 9.5 N/mm ² 1 378 psi Building site value	DIN 18555 part 3
Bending tensile strength	8.1 N/mm ² 1 175 psi Laboratory value 3.0 N/mm ² 435 psi Building site value	DIN 18555 part 3
Static elasticity module	2 640 N/mm ² 382 900 psi Laboratory value 1 610 N/mm ² 23 511 psi Building site value	DIN 18555 part 4
Hard mortar raw density	1.64 kg/dm ³ 0.95 oz/in ³ Laboratory value 1.29 kg/dm ³ 0.75 oz/in ³ 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 24 hours after 6 days	can be walked on fully load bearing
Water permeability coefficient*	4.91 × 10 ⁻³ m/s 692.7 iph	for a joint fraction of 10 %
Storage life	24 months	resin/hardener components: frostfree filler components: dry

Consumption table in kg/m ² lb/sq ft - Basis of calculation: joint depth Ø 30 mm 1 ¼" / joint width Ø 8 mm ⅜"							
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 ⅜"
	5 mm ¼"	1.0 0.20	1.9 0.39	2.0 0.41	2.5 0.51	3.7 0.76	6.9 1.41
	8 mm ⅜"	1.6 0.33	3.0 0.61	3.2 0.66	4.0 0.82	5.8 1.19	11.1 2.27
	10 mm ½"	2.0 0.41	3.8 0.78	3.8 0.80	5.0 1.02	7.3 1.50	13.8 2.83
Polygonal slabs		We recommend ROMPOX® - D1					



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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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