



ROMPOX® - FLEX JOINT

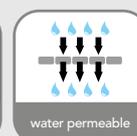
The viscous elastic paving joint mortar



ROMPOX® - FLEX-JOINT is a 2-component paving joint mortar, suitable for surfaces with joint widths from 5 mm | ¼" and joint depths from 30 mm | 1 ¼" and medium traffic loads. It is the first and only viscous elastic jointing mortar on the market. Based on its maximum expansion of 9.26 %, the material can be used on bonded and unbonded construction. The jointing mortar is water permeable, self compacting and water emulsifiable. ROMPOX® - FLEX-JOINT also prevents all weed growth. In order to protect areas with high traffic loads and to prevent displacement, ROMPOX® - FLEX-JOINT is used in combination with ISATEC® displacement protection devices.

Properties

- for joint widths from 5 mm | ¼"
- for joint depths from 30 mm | 1 ¼"
- for bonded and unbonded construction methods
- in combination with earth anchors up to 25 t loads
- can be applied during drizzle



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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.

Preparation: 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 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: Open the bucket, open bottles within and pour the contents slowly and completely into the filler material component. Start the mixing process. **DO NOT add water!** Total mixing time: at least 6 minutes.

Application: Apply the mixed paving jointing mortar onto the well damp surface and work it carefully into the joints using a squeegee/rubber slider. In order to use the optimum flow capacity of the paving joint mortar, it is poured onto 3 to 4 areas of the jointing area.

Final cleaning: After approx. 10-15 minutes (at 20 °C | 68 °F) surface temperature 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 12 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

System	2-component epoxy resin paving joint mortar	
Deflection at breaking load ^{12,13}	12.6 mm ½" Laboratory value	DIN EN 1015-11
Bending tensile strength ¹²	1.2 N/mm² 174 psi Laboratory value	DIN EN 1015-11
Hard mortar raw density	1.34 kg/dm³ 0.77 oz/in³ Laboratory value	DIN EN 1015-10
Tensile strain	0.295 kg/dm³ 43 psi Laboratory value	DIN EN 527-1
Max. expansion ε	9.26 % Laboratory value	DIN EN 527-1
Application time at 20 °C + 68 °F	20-30 minutes	ROMEX®-norm 04
Minimum hardening temperature	> 7 °C > 44,6 °F	Ground temperature
At lower temperatures	slow hardening	
At high temperatures	quick hardening	
Re-opening of surface	after 24 hours after 7 days	can be walked on fully load bearing
Water permeability coefficient*	16.29 x 10 ⁻⁵ m/s 73.9 iph	for a joint fraction of 10 %
Storage life	24 months	resin/hardener components: frostfree filler components: dry

Consumption table in kg/m² lb/sq ft - Basis of calculation: joint depth Ø 30 mm 1 ¼"							
Joint width	Stone size	40 x 40 cm 16" x 16"	20 x 20 cm 8" x 8"	16 x 24 cm 6 ¼" x 10"	14 x 16 cm 5 ½" x 6 ¼"	9 x 11 3 ½" x 4 ¾"	4 x 6 cm 1 ¾" x 2 ½"
	8 mm ⅝"	1.6 0.33	3.2 0.66	3.4 0.70	4.4 0.90	6.5 1.33	12.0 2.46
	10 mm ½"	2.0 0.41	4.0 0.82	4.3 0.88	5.6 1.15	8.0 1.64	15.0 3.07
	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.

¹² tested in 3 point bending tensile test according to DIN EN 1015-11, Distance between supports: l = 100 mm

¹³ in the middle of sample

All dimensions in inch are approximate values.

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