

ROMPOX[®] - DRAIN



The permeable paving jointing mortar

2 component epoxy resin paving jointing mortar



PROPERTIES

- for light traffic loads
- for joint widths from 5 mm | $\frac{3}{16}$ "
- for joint depths from 30mm | $1 \frac{3}{16}$ "
- can be applied at surface temperatures from
- highly water permeable
- self-compacting
- water emulsifiable

Colour: neutral

Colour: stone grey

Colour: basalt

ROMEX[®]
PFLASTERFUGENMÖRTEL

Films & Consumption calculator at www.romex-pfm.de

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 30mm | 1 3/16" (minimum joint width 5mm | 3/16"). The surface to be joint-fixed should be cleaned of all impurities before work commences. Adjoining surfaces that are not to be joint-fixed are taped off.

Pre-wet: Pre-wet the surface. Porous surfaces as well as higher surface temperatures, require more intense pre-wetting.

Mixing: Pour the 25kg | 55,1 lbs filler components into the mixing tub and start the mixing process. Whilst mixing, slowly add the separately packaged 1,8kg | 4lbs resin/hardener component completely into the mixture. After mixing for 3 minutes add 2litres | 0,6gal of water and continue mixing well for at least 3 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 jointing mortar, it is poured onto 3 to 4 areas of the jointing area.

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 in case of drizzle. In case of permanent or pouring rain, the freshly jointed surface needs to be protected against rain for the next 6 hours. The rain protection layer must not be laid directly onto the paved surface, this is to ensure sufficient air circulation. Safe rain protection is afforded by the specially developed ROMEX® protective surface mats, that can be simply laid onto the surface. Please ask your trade supplier. 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 uncertainty, a sample surface should be tested before the entire jointing is done.

Application data:

Application time:	20-30 minutes at +20 °C +68 °F application temperature	
Surface temperature:	> 0 °C > 32 °F	
at low temperatures:	slow hardening	
at high temperatures:	quick hardening	
Surface re-opening:	after 12-24 hours / can be driven on after 6 days	

Technical data:	Laboratory value*1	Building site value*2
Hard mortar raw density:	1,57 kg/dm ³ 0,91 oz/in ³	1,29 kg/dm ³ 0,75 oz/in ³
Bending tensile strength:	7,4 N/mm ² 1.073 psi	5,1 N/mm ² 740 psi
Compressive strength:	15,1 N/mm ² 2.190 psi	9,2 N/mm ² 1.334 psi
Static elasticity module:	1.240 N/mm ² 179.847 psi	1.550 N/mm ² 1.820.224 psi
Water permeability value:	-	4,96 x 10 ⁻³ m/s 692,7 iph (for a joint fraction of 10%)*3

Storage life: 24 months, resin/hardener components: frostfree, filler components: dry

Consumption table in kg/m² | lb/sq ft - Basis for calculation: Joint depth 30mm | 1 3/16"

Stone size		40x40 cm	20x20 cm	16x24 cm	14x16 cm	9x11 cm	4x6 cm
		16" x 16"	8" x 8"	6 5/16" x 10"	5 9/16" x 6 3/16"	3 9/16" x 4 3/8"	1 5/8" x 2 3/8"
Joint width	5 mm 3/16"	1,0 0,20	2,0 0,41	2,1 0,43	2,6 0,53	3,8 0,78	7,2 1,47
	8 mm 5/16"	1,6 0,33	3,2 0,66	3,4 0,70	4,2 0,86	6,0 1,23	11,5 2,36
	10 mm 3/8"	2,0 0,41	4,0 0,82	4,3 0,88	5,3 1,09	7,5 1,54	14,4 2,95
Polygonal slabs		approx. 4-6 0,8 - 1,23					



Pre-wet



Mix



Add water



Wash in



Sweep off



Final cleaning

*1 without addition of water

*2 acc. to ROMEX® testing method

*3 water permeable acc. to „Leaflet on water permeable pavements and roads“ by Research institute for road and traffic (Germany); issue 1998