

ROMPOX[®]-D1



The proven paving jointing mortar

2 component epoxy resin paving jointing mortar



PROPERTIES

- for light to medium traffic loads
- for joint widths from 3 mm | 1/8"
- for joint depths from 30 mm | 1 3/16"
- water permeable
- self compacting
- water emulsifiable
- can be applied to ground temperatures of > 0°C | > 32°F

Colour: neutral

Colour: stone grey

Colour: basalt

ROMEX[®]
PFLASTERFUGENMÖRTEL

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

Application

Construction site requirements: The foundation needs to be prepared according to the expected traffic loads. Regulations and leaflets regarding construction of paved stone surfaces should be heeded. Future loads must not cause the surface to settle 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 3/16" (minimum joint width 3 mm | 1/8"). 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.

Mix: 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 components completely into the mixture. After mixing for 3 minutes add water according to the product package and continue mixing well for at least 3 minutes.

Application: Apply the mixed paving jointing 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 jointing mortar. Application time at +20°C / +68°F is approx. 20 – 30 minutes.

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: The freshly jointed surface needs to be protected against rain for the next 12 – 24 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 on 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 disappears over the course of time due to weathering and abrasion.

Application data:

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

Technical data:	Laboratory value*1	Building site value*2
Hard mortar raw density:	1,68 kg/dm ³ 0,97 oz/in ³	1,43 kg/dm ³ 0,83 oz/in ³
Bending tensile strength:	12,0 N/mm ² 1.740 psi	7,9 N/mm ² 1.145 psi
Compressive strength:	34,2 N/mm ² 4.960 psi	16,6 N/mm ² 2.408 psi
Static elasticity module:	8.000 N/mm ² 1.160.302 psi	2.180 N/mm ² 316.182 psi
Water permeability value:	-	7,5x10 ⁻⁴ m/s 106,2iph (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 30 mm | 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 5/16" x 6 5/16"	3 5/16" x 4 3/8"	1 5/8" x 2 3/8"
Joint width	3 mm 1/8"	0,7 0,14	1,4 0,29	1,4 0,29	1,7 0,35	2,6 0,53	4,9 1,00
	5 mm 3/16"	1,1 0,23	2,3 0,47	2,4 0,49	2,9 0,59	4,4 0,90	8,1 1,66
	8 mm 5/16"	1,8 0,37	3,6 0,74	3,8 0,78	4,6 0,94	7,0 1,43	13,0 2,66
	Polygonal slabs	approx. 4-6 0,8 - 1,23					



Pre-wet



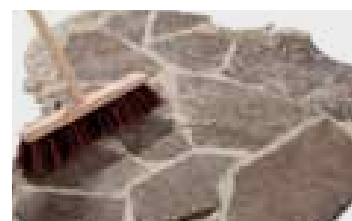
Mix



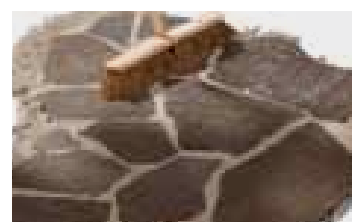
Add water



Sweep off



Wash in



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