

ROMPOX® - D4000

Pavement fixing elutriant used for repairs

Product information

Firm under foot



No weed growth



No cement residue



15 kg container



Loads:

> for vehicle traffic up to 25 t



All application films are available on DVD from your trade partner or internet under www.romex-pfm.de.



ROMPOX® - D4000

Art. no. 4011



neutral

Art. no. 4012



stone grey

Art. no. 4013



basalt

Colours:

Ideally suited for:

Frost and de-icing salt resistant, weed free, abrasion and streetsweeper resistant, environmentally friendly, quick, cost effective and permanent jointing compound for almost all natural and concrete stone paving stones, slabs and clinker surfaces.



Natural paving stones



Natural stone slabs



Concrete paving stones



Concrete slabs



Concrete slabs

Short description:

ROMPOX® - D4000 is a very slightly permeable pavement fixing elutriant especially used for repairing broken joints (surface and foundation need to have settled and be static).

Properties of ROMPOX® - D4000:

- > for medium to heavy traffic loads
- > very slightly water permeable
- > can be applied at surface temperatures from > 0 °C
- > for joint widths from 3 mm
- > 2 component epoxy resin
- > can be applied during drizzle
- > for joint depths from 10 mm
- > water emulsifiable
- > high strength
- > self compacting
- > quickest re-opening to traffic
- > suitable for the repair of defective cement surfaces

Areas of application: public surfaces with quick re-opening times.

Technical data:

Property	Unit	Laboratory value	Construction site value*1
Hard mortar raw density	kg/dm ³	1,73	1,63
Bending tensile strength	N/mm ²	19,5	11,1
Compressive strength	N/mm ²	51,2	26,2
Static elasticity module	N/mm ²	8.900	4.300
Water permeability value	m/s	-	1,0 · 10 ⁻⁸ = approx. 0,0018 l/min/m ² (with a joint percentage of 10%)*2

Storage capability: 12 months, resin/hardener components: frostfree, filler material components: dry

*1 without addition of water

*2 acc. to ROMEX® testing method



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Application instructions:

Please take note of the information regarding the preparation of surfaces in the brochure "TECHNICAL INFORMATION & practical application tips".



- Clean out joints to a depth of at least 10 mm (minimum joint width 3 mm). 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.
- Pour the resin/hardener component (2 plastic bottles stuck to each other) completely into the bucket and start the mixing procedure. After mixing for 3 minutes add approx. 3 litres of water and continue mixing well for at least 3 more minutes.
- Moisten the surface. Porous surfaces as well as higher surface temperatures, require more intense moistening.
- Apply the mixed pavement fixing mortar onto the well moistened surface and work it carefully into the joints using a squeegee. Application time at + 20 °C is approx. 10 minutes.
- After approx. 10 minutes (at 20 °C 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.
- Using a fine jet of water clean the surface thoroughly and then use a wet hair broom to sweep it off. No subsequent treatment is necessary. During the initial period a very thin film of epoxy resin remains on the stone surface and intensifies the color 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. Important note: Please take note of the information regarding the preparation of paving stones.
- Professional tip: **ROMPOX® - D4000** is also suitable for the repair of old, cracked cement joints.

Important instructions: **ROMPOX® - D4000** can only be used on surfaces that have completely settled and have static foundations. Otherwise joint breakages may occur and the joint may be destroyed. Please take note of the flyer „Technical information & practical application tips“ and the **ROMEX® - application films**.

Application data

Application time approx. 10 mins. at +20 °C application temperature
Surface temperature: > 0 °C

- at lower temperatures → slower hardening
- at higher temperatures → faster hardening

Surface can be walked on after 6 hrs, after 24 hours
can be driven on (at approx. 20 °C surface temperature)

Consumption values in kg/m²:

Basis for calculation: joint dept Ø 10 mm/joint width Ø 8 mm. This table is an aid for calculations. Due to the natural shape of paving stones, deviations are possible. The size of the stone (length x width) is given in cm. The calculating factor can be taken from the table. **Example: stone size 10 x 10 cm = 2,31 kg/m²**. Consumption for additional colour stone grey: + approx. 3%, consumption for additional colour basalt: + approx. 5%. Consumption for polygonal slabs (no exact size): approx. 4 - 6 kg/m² (value from experience).

Stone size	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	30	40
4	5,19	4,74	4,43	4,19	4,01	3,87	3,75	3,65	3,57	3,50	3,43	3,38	3,33	3,26	3,19	3,00	2,90
6	4,43	3,98	3,66	3,43	3,25	3,10	2,98	2,89	2,80	2,73	2,67	2,62	2,57	2,49	2,43	2,23	2,13
8	4,01	3,56	3,25	3,01	2,83	2,68	2,57	2,47	2,39	2,32	2,26	2,20	2,16	2,08	2,01	1,82	1,72
10	3,75	3,30	2,98	2,75	2,57	2,42	2,31	2,21	2,13	2,05	1,99	1,94	1,89	1,82	1,75	1,56	1,46
12	3,57	3,12	2,80	2,57	2,39	2,24	2,13	2,03	1,95	1,87	1,82	1,76	1,71	1,63	1,57	1,38	1,28
14	3,43	2,99	2,67	2,44	2,26	2,11	1,99	1,90	1,82	1,74	1,68	1,63	1,58	1,50	1,44	1,25	1,15
16	3,33	2,89	2,57	2,34	2,16	2,01	1,89	1,80	1,71	1,64	1,58	1,53	1,48	1,40	1,34	1,15	1,05
18	3,26	2,81	2,49	2,26	2,08	1,93	1,82	1,72	1,63	1,57	1,50	1,45	1,40	1,32	1,26	1,07	0,97
20	3,19	2,75	2,43	2,20	2,01	1,87	1,75	1,65	1,57	1,50	1,44	1,38	1,34	1,26	1,20	1,00	0,90
30	3,00	2,55	2,23	2,00	1,82	1,67	1,56	1,46	1,38	1,30	1,25	1,19	1,15	1,07	1,00	0,81	0,71
40	2,90	2,45	2,13	1,90	1,72	1,58	1,46	1,36	1,28	1,21	1,15	1,09	1,05	0,97	0,90	0,71	0,61

Standard specifications for sales:

STANDARD SPECIFICATIONS FOR SALES for ROMEX® pavement fixing mortar **ROMPOX® - D4000**

Clean out joints to a depth of at least 10 mm and clean the surface. Pre-wet the surface well.

Joint compound made of water emulsifiable, high strength 2 component epoxy resin jointing mortar. Very slightly water permeable, for joints from 3 mm wide, self-compacting, can be applied to surfaces at temperatures from > 0 °C, frost and de-icing salt resistant, abrasion and street sweeping machine resistant.

Can be walked on after 6 hours and driven on after 24 hours (at approx. 20 °C surface temperature).

Please supply accurate and original building site data.

The detailed standard specifications for sales can be requested from ROMEX® at any time.

Please check out the other ROMEX® pavement fixing mortars for pedestrian traffic loads up to the heaviest traffic loads as well as ROMPOX® - WALL the quick, cement free wall jointing mortar.

> 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.
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DNV
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Your contact: