

ROMPOX® - D1

The proven pavement fixing mortar

Product information

ROMPOX® - D1

Resistant to foottraffic



No weed growth



No cement haze



27,5 kg containers



Load bearing capacity:

> for vehicles up to 7,5t



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



Order Nr. 1021



neutral

Order Nr. 1022



stone grey

Order Nr. 1023



basalt

Colours:

Ideally suited for:

frost and de-icing salt resistant, weed free, abrasion and sweeping machine resistant, environmentally friendly, quick, cost effective and permanent joint fixing of almost all natural and concrete paving stones, slabs and clinker surfaces.



Natural paving stones



Natural stone slabs



Concrete paving stones



Concrete slabs



Clinker surfaces

Short description - water emulsifiable - pavement fixing mortar:

ROMPOX® - D1 is a very slightly water permeable pavement fixing mortar.

Properties of ROMPOX® - D1:

> for medium traffic loads

> for joint widths from 3 mm wide

> for joint depths from 30 mm deep

> self compacting

> slightly water permeable

> 2 componet epoxy resin

> water emulsifiable

> can be applied to ground temperatures of > 0°C

Areas of application: e.g. surfaces with normal car traffic and light truck traffic. Especially for concrete stones, slabs and clinkers

Technical data:

| Property | Unit | Laboratory value* ¹ | Building site value* ² |
|--------------------------------|--------------------|--------------------------------|--|
| Hard mortar raw density | kg/dm ³ | 1,55 | 1,43 |
| Bending tensile strength | N/mm ² | 7,9 | 7,9 |
| Compression strength | N/mm ² | 16,0 | 16,6 |
| Static elasticity module | N/mm ² | 1.060 | 2.180 |
| Water permeability coefficient | m/s | - | 7,50 · 10 ⁻⁴ = approx. 2,30 l/min/m ² (for a joint fraction of 10%)* ³ |

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

*¹ without added water

*² according to ROMEX® testing methods

*³ water permeable according to the "Leaflet on water permeable pavements and roads", by Research institute for road and traffic; issue 1998



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Instructions for use:

Please take note of the information regarding the preparation of paving stones and surfaces in the brochure "Technical information & practical application tips".



- 1 Clean out joints to a depth of at least 30 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.
- 2-4 Pour the filler components (25 kg sack) into the mixing tub and start the mixing process. Whilst mixing, slowly add the separately packaged resin/hardener component (2 plastic bottles stuck to each other) completely into the mixture. After mixing for 3 minutes add approx. 4 litres of water and continue mixing well for at least 3 minutes.
- 5 Pre-wet the surface. Porous surfaces as well as higher surface temperatures, require more intense pre-wetting.
- 6 Apply the mixed pavement fixing mortar onto the well damp surface and work it carefully into the joints using a squeegee/rubber slider. Application time at + 20°C is approx. 20 - 30 minutes.
- 7-8 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.
- 9-11 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 (see diagram 11). Safe rain protection is afforded by the specially developed ROMEX protective surface mats, that can be simply laid on the surface (see diagram 10). 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.

Important note: Please take note of the information regarding the preparation of paving stones and surfaces in the brochure "Technical information & practical application tips" and the ROMEX® application films.

Application data

Application time: approx. 20 - 30 minutes at +20°C working temperature
surface temperature >0°C

- at lower temperatures → slow hardening
- at high temperatures → quick hardening

Surface can be walked on after 12 - 24 hours and driven on after 6 days (at approx. 20°C surface temperature)

Consumption table in kg/m²

Basis for calculation: average joint depth Ø 30 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 = 6,66 kg/m².** Consumption for additional colour stone grey: + 3%, consumption for additional colour basalt: + 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 | 14,99 | 13,69 | 12,78 | 12,10 | 11,58 | 11,16 | 10,82 | 10,53 | 10,30 | 10,09 | 9,91 | 9,77 | 9,62 | 9,40 | 9,21 | 8,66 | 8,37 |
| 6 | 12,78 | 11,49 | 10,57 | 9,89 | 9,37 | 8,96 | 8,61 | 8,34 | 8,09 | 7,89 | 7,71 | 7,56 | 7,43 | 7,19 | 7,02 | 6,45 | 6,16 |
| 8 | 11,58 | 10,28 | 9,37 | 8,69 | 8,17 | 7,75 | 7,41 | 7,13 | 6,89 | 6,68 | 6,52 | 6,36 | 6,23 | 5,99 | 5,81 | 5,25 | 4,96 |
| 10 | 10,82 | 9,52 | 8,61 | 7,94 | 7,41 | 6,99 | 6,66 | 6,37 | 6,14 | 5,93 | 5,75 | 5,61 | 5,46 | 5,24 | 5,05 | 4,50 | 4,21 |
| 12 | 10,30 | 9,00 | 8,09 | 7,41 | 6,89 | 6,47 | 6,14 | 5,85 | 5,62 | 5,41 | 5,24 | 5,08 | 4,94 | 4,72 | 4,53 | 3,97 | 3,69 |
| 14 | 9,91 | 8,62 | 7,71 | 7,04 | 6,52 | 6,09 | 5,75 | 5,47 | 5,24 | 5,03 | 4,85 | 4,70 | 4,56 | 4,34 | 4,15 | 3,60 | 3,31 |
| 16 | 9,62 | 8,34 | 7,43 | 6,75 | 6,23 | 5,81 | 5,46 | 5,18 | 4,94 | 4,74 | 4,56 | 4,41 | 4,27 | 4,05 | 3,86 | 3,31 | 3,02 |
| 18 | 9,40 | 8,10 | 7,19 | 6,52 | 5,99 | 5,57 | 5,24 | 4,95 | 4,72 | 4,52 | 4,34 | 4,18 | 4,05 | 3,82 | 3,64 | 3,07 | 2,79 |
| 20 | 9,21 | 7,93 | 7,02 | 6,34 | 5,81 | 5,39 | 5,05 | 4,77 | 4,53 | 4,33 | 4,15 | 4,00 | 3,86 | 3,64 | 3,45 | 2,89 | 2,61 |
| 30 | 8,66 | 7,36 | 6,45 | 5,77 | 5,25 | 4,83 | 4,50 | 4,21 | 3,97 | 3,76 | 3,60 | 3,44 | 3,31 | 3,07 | 2,89 | 2,33 | 2,04 |
| 40 | 8,37 | 7,08 | 6,16 | 5,48 | 4,96 | 4,55 | 4,21 | 3,92 | 3,69 | 3,49 | 3,31 | 3,15 | 3,02 | 2,79 | 2,61 | 2,04 | 1,75 |

Standard specifications for sales:

STANDARD SPECIFICATIONS FOR SALES for ROMEX® pavement fixing mortar **ROMPOX® - D1**

Clean out joints to a depth of at least 30 mm and clean the surface. Pre-wet the surface well.

Joint compound made of water emulsifiable, 2 component epoxy resin jointing mortar with slight water permeability, 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 12 - 24 hours and driven on after 6 days (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 up to heaviest traffic loads as well as the ROMEX® products for cleaning, protection and maintenance of stone surfaces.

> 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.
Issue April 2005. We reserve the right to make changes.

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