

# ROMPOX® - DRAIN

The permeable pavement fixing mortar

## Product information

Resistant to foot traffic



No weed growth



No cement haze



26,8 kg containers



Load bearing capacity:

> for cars up to 3t



Order no. 1011



neutral

Order no. 1012



stone grey

Order no. 1013



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 (Not suitable for all types of stones).



Natural paving stones



Natural stone slabs



Concrete paving stones



Concrete slabs



Clinker surfaces

### Short description - water emulsifiable - pavement fixing mortar:

ROMPOX® - DRAIN is a highly water permeable pavement fixing mortar that allows almost all quantities of rainwater to seep into the ground. Due to the open porous structure of ROMPOX® - DRAIN all the requirements for a water permeable and thus environmentally friendly pavement fixing mortar are fulfilled.

**Properties of ROMPOX® - DRAIN:**

- > for light vehicle traffic loads
- > for joint widths from 5 mm wide
- > for joint depths from 30 mm deep
- > self compacting
- > highly water permeable
- > 2 component epoxy resin
- > water emulsifiable
- > can be applied to ground temperatures of > 0 °C

**Areas of application:** e.g. private driveways as well as public car parking spaces

### Technical data:

Property	Unit	Laboratory value* <sup>1</sup>	Building site value* <sup>2</sup>
Hard mortar raw density	kg/dm <sup>3</sup>	1,57	1,29
Bending tensile strength	N/mm <sup>2</sup>	7,4	5,1
Compression strength	N/mm <sup>2</sup>	15,1	9,2
Static elasticity	N/mm <sup>2</sup>	1.240	1.550
Water permeability coefficient	m/s	-	4,96 · 10 <sup>-3</sup> = approx. 15 l/min/m <sup>2</sup> (for a joint fraction of 10 %) * <sup>3</sup>

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

\*<sup>1</sup> without added water  
\*<sup>2</sup> according to ROMEX® testing methods

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

## 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".



- Clean out joints to a depth of at least 30 mm (minimum joint width 5 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.
- 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. 2 litres of water and continue mixing well for at least 3 minutes.
- 5 Moisten the surface. Porous surfaces as well as higher surface temperatures, require more intense moistening.
- 6 Apply the mixed pavement fixing mortar onto the well moistened 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 instructions:** Not suitable for all types of stones

**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/m<sup>2</sup>:

**Basis for calculation:** 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 = 6,00 kg/m<sup>2</sup>.** 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/m<sup>2</sup> (value from experience).

Stone size	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	30	40
4	13,50	12,33	11,51	10,90	10,43	10,05	9,75	9,49	9,28	9,09	8,93	8,80	8,67	8,47	8,30	7,80	7,54
6	11,51	10,35	9,52	8,91	8,44	8,07	7,76	7,51	7,29	7,11	6,95	6,81	6,69	6,48	6,32	5,81	5,55
8	10,43	9,26	8,44	7,83	7,36	6,98	6,68	6,42	6,21	6,02	5,87	5,73	5,61	5,40	5,23	4,73	4,47
10	9,75	8,58	7,76	7,15	6,68	6,30	6,00	5,74	5,53	5,34	5,18	5,05	4,92	4,72	4,55	4,05	3,79
12	9,28	8,11	7,29	6,68	6,21	5,83	5,53	5,27	5,06	4,87	4,72	4,58	4,45	4,25	4,08	3,58	3,32
14	8,93	7,77	6,95	6,34	5,87	5,49	5,18	4,93	4,72	4,53	4,37	4,23	4,11	3,91	3,74	3,24	2,98
16	8,67	7,51	6,69	6,08	5,61	5,23	4,92	4,67	4,45	4,27	4,11	3,97	3,85	3,65	3,48	2,98	2,72
18	8,47	7,30	6,48	5,87	5,40	5,02	4,72	4,46	4,25	4,07	3,91	3,77	3,65	3,44	3,28	2,77	2,51
20	8,30	7,14	6,32	5,71	5,23	4,86	4,55	4,30	4,08	3,90	3,74	3,60	3,48	3,28	3,11	2,60	2,35
30	7,80	6,63	5,81	5,20	4,73	4,35	4,05	3,79	3,58	3,39	3,24	3,10	2,98	2,77	2,60	2,10	1,84
40	7,54	6,38	5,55	4,94	4,47	4,10	3,79	3,53	3,32	3,14	2,98	2,84	2,72	2,51	2,35	1,84	1,58

## Standard specifications for sales:

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

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 high water permeability, for joints from 5 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 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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