ROMPOX® - D1

The tried and tested paving joint mortar

Water-emulsifiable 2-component epoxy resin system

ROMPOX® - D1 is a high-quality 2-component paving joint grout for many areas of application in both private and commercial areas. Thanks to its good flowability and high strength, ROMPOX® - D1 is particularly suitable for grouting polygonal and wild-form slabs, driveways and access roads with loads of up to 7.5 tons and for renovating old paved surfaces. Grouting with ROMPOX® - D1 intensifies the natural coloring of the stone.

Properties

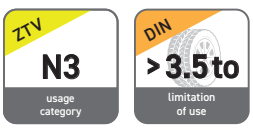
- High flowability
- Self-compacting
- No weed growth
- Highly permeable to water
- Frost/de-icing salt resistant
- Resistant to high-pressure cleaners
- Sure-footed

Areas of application

- For joint widths from 3 mm
- Around the house and commercial areas
- Areas with traffic loads of up to 7.5 t
- Polygonal/wild-formed panels
- Concrete blocks and slabs
- Tightly laid paving and slabs
- 2 cm thick ceramic tiles
- Paving and natural stone surfaces

Technical data

Compressive strength:	25,8 N/mm² | 3 742 psi
Bending tensile strength:	12 N/mm² | 1 740 psi
Static modulus of elasticity:	8 000 N/mm² | 1 160 302 psi
Solid mortar bulk density:	1,68 kg/dm³ | 0.97 oz/in³
Water permeability:	7,5 × 10^{-4} m/s | 106.2 iph approx. 2,3 l/min/m² 0.06 gal/min/sqft
Shelf life:	24 months
Storage:	Protect from direct sunlight, frost-free



ROMEX®

ROMPOX® - D1

CONSTRUCTION SITE REQUIREMENTS

Planning: The substrate should be constructed in accordance with the expected traffic load. The regulations and information sheets for the construction of paved surfaces must be observed. Subsequent loads must not result in settlement of the surface or loose stones. The joint material cannot absorb any settlement. The use of ROMEX® Trass bedding products and ROMEX® SYSTEM-GARANTIE (RSG) is ideal. For optimum processing, the use of ROMEX® processing tools is recommended.

Prepare: Clean joints to a depth of at least 30 mm (with traffic load ²/₃ of the stone height, minimum joint width 3 mm). Thin slabs less than 30 mm thick must be laid using a bonded, water-permeable construction method and the joints must be fully grouted. The surface to be grouted must always be cleaned of all types of dirt before grouting. Adjacent surfaces that are not to be grouted must be masked off.




APPLICATION

Pre-wetting: Pre-wet the surface intensively and keep it constantly damp. Avoid standing water in the joints. Absorbent surfaces and higher substrate temperatures require more intensive pre-wetting.

Mixing: Bagged goods: Pour the filler component (25 kg) completely into a free-fall or compulsory mixer and start the mixing process. During the mixing process, add the corresponding, separately supplied resin/hardener component (2.5 kg) in full. To make full use of the bottle contents, both bottles should be rinsed out with water. To do this, fill each of the two previously emptied resin/hardener bottles with 0.5 liters of water, close, shake vigorously and add the contents of the bottle to the mixture. After 3 minutes mixing time, add 3 liters of water and mix again for at least 3 minutes. Bucket goods: Open the bucket, open the bottles inside and add the contents completely to the filler component. To fully utilize the bottle contents, both bottles should be rinsed out with water. To do this, fill each of the two previously emptied resin/hardener bottles with 250 ml of water, close, shake vigorously and add the contents of the bottle to the mixture. Start the mixing process. Use a professional stirrer. Do not add any more water! Total mixing time: At least 6 minutes.

Application: Pour the ready-mixed paving joint mortar onto the pre-wetted surface and work it carefully into the joints using a rubber squeegee. To make optimum use of the flowability of the paving joint mortar, pour the mortar in three to four places in the jointing area. If the ready-mixed mortar is not fully used immediately, the remaining quantity should be mixed again briefly within the specified working time before it is used again, so that optimum flowability is achieved again.

Practical tip: Tools and work shoes should be cleaned regularly with a jet of water during grouting to avoid soiling from binding agents and footprints on the stone surface.

Final cleaning: After approx. 10-15 minutes, first carefully sweep the stone surface with a coarse street broom and then give it a final clean with a fine hair broom until all mortar residue has been removed. Chamfers on slabs and clinker coverings must be exposed, as sufficient adhesion is not guaranteed. The correct sweeping time is reached when white streaks no longer form on the stone surface when sweeping. Sweep diagonally to the joint. Material that has been swept off is no longer used.

Rain protection: The freshly grouted surface must be protected from rain for 12-24 hours. The rain protection (construction foil/ tarpaulin) must not be placed directly on the surface so that air can circulate.

Application data:

Application time at 20 °C | 68 °F:	approx. 20–30 min.
Application temperature:	0–30 °C | 32-86 °F Low temp. » slow curing High temp. » fast curing
Release of the surface at 20 °C | 68 °F:	Can be walked on after 24 hours, fully loadable after 6 days

Consumption kg | lbs per 1 m² | 10,76 sq ft: Basis of calculation: joint depth Ø 30 mm | 1 ¼"

Joint width	stone size in cm	80 × 40 31 ½" × 15 ¾"	60 × 60 23 ½" × 23 ½"	40 × 40 15 ¾" × 15 ¾"	32 × 24 12 ½" × 9 ½"	24 × 16 9 ½" × 6 ¼"	9 × 11 ⅜" × ⅜"
	3 mm | ⅛" (min.)	0,5 kg 1.1 lbs	0,4 kg 1.0 lbs	0,7 kg 1.4 lbs	1,0 kg 2.1 lbs	1,3 kg 3.0 lbs	2,5 kg 5.6 lbs
	10 mm | ⅜"	1,6 kg 3.5 lbs	1,4 kg 3.2 lbs	2,1 kg 4.6 lbs	3,0 kg 6.6 lbs	4,2 kg 9.2 lbs	7,4 kg 16.2 lbs

IMPORTANT NOTES

Weather: Unfavorable weather conditions can negatively affect the result of your processing. We strongly recommend that you read and check product labels, processing instructions and climatic restrictions before starting your project. Very hot, cold or wet weather requires planning and additional equipment and measures if necessary. Application in cold and/or damp conditions, with low temperatures and high humidity, will prolong the curing time and increase the risk of white discoloration of the surface. If necessary, warm the surface overnight or immediately before grouting. Protect the surface with a suitable masking and heating solution for at least 24 hours after grouting.

Synthetic resin film: During the initial period, a wafer-thin synthetic resin film may remain on the stone surface, which intensifies the color of the stone and protects it from soiling. However, this film disappears over time if the surface is exposed to the weather and through abrasion. A synthetic resin film does not constitute a defect in workmanship and does not impair the functionality of the surface. If in doubt, we recommend creating a sample surface.

Occupational safety: The use of impermeable and durable protective gloves, tight-fitting safety goggles and protective work clothing is recommended.

Cleaning and maintenance: Tools can be cleaned with water immediately after grouting. Clean joints 1-2 times a year to ensure good water permeability in the long term.

GENERAL INFORMATION

Explanations: Water permeability as defined in the 2013 edition of the „Information sheet for infiltration-capable traffic areas" (MVV) with a joint ratio of 10 %. Usage demarcation, usage category and load classes indicate the load-bearing capacities for standardized substructure and superstructure according to German standards in accordance with RStO 12, ZTV-Wegebau, DIN 18318. The joint may sand slightly due to the raw material. All fillers are natural products that may show natural color variations.

Legal text: The information printed in this prospectus is based on experience and the current state of science and practice, but is non-binding and does not establish a contractual legal relationship. All previous information becomes invalid with the publication of this brochure. Illustrations similar. Status: January 2024, subject to change.

ROMEX® GmbH Mühlgrabenstraße 21 | Industriepark Kottenforst | 53340 Meckenheim | +49 (0) 2225 70954-20
Further information, films and consumption calculators can be found at **www.romex-ag.de**

Follow us: