ROMPOX® - TRAFFIC V2

The hardest pavement jointing mortar

2-component epoxy resin system

ROMPOX® - TRAFFIC V2 is a high-strength 2-component pavement jointing mortar for grouting extremely heavily used surfaces in public areas. It is suitable for repointing roads, squares and traffic circles, for example, as well as for paving channels in accordance with ATV DIN 18318:2019, from a joint width of 8 mm. The high compressive strength is particularly noteworthy. ROMPOX® - TRAFFIC V2 meets all requirements for use categories N1-N3 in accordance with ZTV-Wegebau as well as DIN 18318:2019 and RStO.

Properties

- Resistant to vacuum sweepers
- High compressive strength
- High strength
- No weed growth
- Permeable to water
- Resistant to frost/de-icing salt
- Resistant to high-pressure cleaners
- Slip-resistant

Areas of application

- For joint widths from 8 mm
- Public areas
- Areas with traffic loads up to 40 tons
- Squares, roads and traffic circles
- Gutters in accordance with ATV DIN 18318:2019
- Paving and natural stone surfaces

Technical data

Compressive strength:	76,8 N/mm² | 11 139 psi
Bending tensile strength:	22,2 N/mm² | 3 220 psi
Static modulus of elasticity:	12 200 N/mm² | 1 769 461 psi
Solid mortar bulk density:	1,83 kg/dm³ | 1.06 oz/in³
Water permeability:	4.78 × 10^{-6} m/s | 0.7 iph approx. 0,015 l/min/m² 0.0004 gal/min/sqft
Shelf life:	24 months
Storage:	Resin/hardener component: frost-free Filler component: dry

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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 jointing 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 8 mm). The surface to be grouted must always be cleaned of all types of dirt before grouting. Adjacent surfaces that are not to be grouted are masked off.




APPLICATION

Mixing: Mix the pavement jointing mortar in a free-fall or compulsory mixer or with a professional mixing paddle in a clean mixing vessel. Pour the filler component (25 kg) completely into the mixer/mixing vessel and start the mixing process. During the mixing process, add the corresponding, separately supplied resin/hardener component (3 kg) in full. Empty the bottles completely. Do not add water! Total mixing time: At least 6 minutes.

Application: Pour the ready-mixed pavement jointing mortar onto the surface and pre-spread with a shovel or metal scraper. Then work the pavement jointing mortar intensively into the joints using a rubber scraper to ensure that the joints are completely filled and compacted.

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

Final cleaning: Immediately after grouting, 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 from the stone surface. Chamfers on slabs and clinker coverings must be exposed, as sufficient adhesion is not guaranteed. Sweep diagonally to the joint. Material that has been swept off is no longer used.

Rain protection: No rain protection is necessary in drizzle. In the event of continuous or heavy rain, 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. 15–20 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 6 hours, fully loadable after 24 hours

Consumption kg | lbs per 1 m² | 10,76 sq ft: Basis of calculation: joint depth Ø 30 mm | 1 ¹/₄"

Joint width	stone size in cm	80 × 40 31 ¹/₂" × 15 ³/₄"	60 × 60 23 ¹/₂" × 23 ¹/₂"	40 × 40 15 ³/₄" × 15 ³/₄"	32 × 24 12 ¹/₂ "× 9 ¹/₂"	24 × 16 9 ¹/₂" × 6 ¹/₄"	9 × 11 ³/₈" × ³/₈"
	3 mm | ¹/₈" (min.)	1,5 kg 3.4 lbs	1,4 kg 3.0 lbs	2,0 kg 4.5 lbs	2,9 kg 6.4 lbs	4,1 kg 9.0 lbs	7,3 kg 16.1 lbs
	10 mm | ³/₈"	1,9 kg 4.2 lbs	1,7 kg 3.7 lbs	2,5 kg 5.5 lbs	3,6 kg 7.9 lbs	5,0 kg 11.0 lbs	8,8 kg 19.4 lbs
For Polygonal slabs approx. 4–6 kg | 8–13 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 humid conditions, with low temperatures and high humidity, will extend 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 when working.

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 which may show natural color variations.

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Further information, films and consumption calculators can be found at **www.romex-ag.de**

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