

ROMPOX® - ECOFINE

The strong pavement jointing mortar

1-component polymer resin system

ROMPOX® - ECOFINE is a ready-to-use 1-component pavement jointing mortar that hardens on contact with air or oxygen. Thanks to its outstanding properties and strength, ROMPOX® - ECOFINE is suitable for almost every area of application around the house, but especially for driveways, ceramic tiles and use around pools. The pavement jointing mortar consists of 98% natural, recycled or renewable raw materials. The bio-based binder contains mainly natural oils. ROMPOX® - ECOFINE has received several awards for this.

Properties

- No resin film
- High compressive strength
- Chlorine and salt water resistant
- No weed growth
- Highly water-permeable
- Frost and de-icing salt resistant
- High-pressure cleaner resistant
- Can be applied in drizzle
- Firm to walk on
- Mixed ready to use

Areas of application

- Joint widths from 3 mm
- Around the house
- Areas with traffic loads
- Tightly laid paving and slabs
- 2 cm ceramic tiles in bonded construction method
- Surfaces around pools
- Almost all coated and sensitive stones
- Paved areas and natural stone surfaces

Technical data

Compressive strength:	20,9 N/mm²
Bending tensile strength:	9,8 N/mm²
Solid mortar bulk density:	1,64 kg/dm³
Water permeability:	$1{,}4 \times 10^{-3}$ m/s approx. 8,4 l/min/m²
Shelf life:	min. 24 months
Storage:	protect from direct sunlight, do not stack pallets, frost-resistant





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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 joint material cannot absorb any settlement. Do not use in „permanently wet areas" (e.g. public swimming pools, fountains, ponds, drainage channels, etc.). Only use with a water-permeable superstructure (bedding and base course) or a slope of at least 2 %. 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.

Preparation: 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.

Application: Open the lid of the bucket, remove the vacuum bag, cut open and immediately pour the pavement jointing mortar in portions onto the pre-wetted surface. Then use a soft jet of water and rubber squeegee to continuously and intensively slurry the pavement jointing mortar into the joints with plenty of water to ensure that the joints are completely filled. No further compaction is necessary. Mortar residues are rinsed off the surface with a fine jet of water without washing out the joints.

Final cleaning: Then carefully sweep the stone surface with a damp coconut broom until all mortar residue has been removed. Sweep diagonally to the joint. Chamfers on slab and clinker coverings must be exposed, as sufficient adhesion is not guaranteed. Material that has been swept off is no longer used. Residual adhesion on the stone surface can still be removed after 24 hours with a coarse street broom.

Rain protection: No rain protection is necessary in drizzling rain. In the event of continuous or heavy rain, the freshly grouted surface must be protected from rain for approx. 24 hours. The rain protection (construction foil/covering tarpaulin) can be laid directly on the surface.

Application data:

Application time at 20 °C:	approx. 25 min.
Application temperature:	5–30 °C Low temp. » slow curing High temp. » fast curing
Release of the surface at 20 °C:	Can be walked on after 24 hours, fully loadable after 6 days

Consumption kg per 1 m²: Basis of calculation: joint depth Ø 30 mm

Joint width	stone size	80 × 40 cm	60 × 60 cm	40 × 40 cm	32 × 24 cm	24 × 16 cm	9 × 11 cm
	3 mm (min.)	0,5 kg	0,5 kg	0,7 kg	1,7 kg	1,5 kg	2,8 kg
	10 mm	1,8 kg	1,6 kg	2,3 kg	3,3 kg	4,6 kg	8,2 kg
For Polygonal slabs we recommend ROMPOX® - D1							

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 extend the curing time. If necessary, warm the surface overnight or immediately before grouting. Protect the surface with a suitable covering 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 generally represent a defect in workmanship and does not impair the functionality of the surface. If in doubt, we recommend creating a sample surface.

Product-specific information: ROMPOX® - ECOFINE has a characteristic, unobjectionable odor of natural oils. This disappears over time once the curing phase is complete. We therefore recommend using the product only in well-ventilated outdoor areas.

Occupational safety: The use of impermeable and durable protective gloves and protective work clothing is recommended.

Cleaning and maintenance: Tools can be cleaned with water immediately after grouting. Regularly remove water-retaining moss, leaves and weeds from the joint surface. 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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ROMEX® GmbH Mühlgrabenstraße 21 | 53340 Meckenheim | +49 (0) 2225 70954-20 | sales@romex.de
Further information, films and consumption calculators can be found at **www.romex.de**

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