



ROMPOX® - 301 CEM-PF

Modified cement grout for all load classes

Modified cement system

ROMPOX® - 301 CEM-PF is a hydraulically hardening, fast-setting cementitious joint grout for the jointing of paving and slab coverings made of natural and concrete stones as well as clinker, indoors and outdoors. ROMPOX® - 301 CEM-PF is impermeable to water, resistant to frost and de-icing salt and suitable for surfaces subject to heavy traffic loads, such as rail areas, lanes and in hydraulic engineering as well as for special construction methods. The cement joint mortar has very good processing properties thanks to organic and inorganic additives and meets all requirements for use categories N1 to N3 in accordance with ZTV- Road Construction and the FGSV information sheet.

Properties

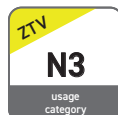
- fast setting
- impermeable to water
- fast traffic release
- frost/de-icing salt resistant
- self-compacting
- highly flowable
- slurryable
- machinable
- early washable

Areas of application

- for joint widths from 3 mm | 1/8"
- for joint depths from 40 mm | 1 1/2"
- areas with the highest traffic load
- surfaces in rail areas
- on lanes
- in hydraulic engineering
- can be used for old and new plaster
- concrete blocks
- paving and natural stone surfaces
- for 2 cm | 3/4" ceramic tiles in bonded construction

Technical data

- Compressive strength: 60 N/mm² | 8702 psi
- Bending tensile strength: 9 N/mm² | 1305 psi
- Solid mortar bulk density: 2 kg/dm³ | 1.15 oz/in³
- Static modulus of elasticity: 24,000 N/mm² | 3480 psi
- Shelf life: 12 months
- Storage: on pallet, cool and dry in the original sealed bag



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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 cause the surface to settle. The use of ROMEX® Trass bedding products is ideal. The use of ROMEX® processing tools is recommended for optimum processing. The joint space remaining after laying the stones (joint depth min. 40 mm | 1 1/2") must be completely filled in one work step. Pre-filling joints with sand or other mortars is not permitted. When grouting, the day/working sections of the laying must overlap with the day/working sections of the grouting at a distance of 1.5 m | 4,9 ft.

Preparation: 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. Seal free joint ends or the ends of working sections to prevent the paving joint mortar from leaking. The road drains in the working area must be protected against the penetration of the jointing mortar and cleaning water.



APPLICATION

Mixing: Mix the paving joint mortar (25 kg | 55 lbs) completely in a free-fall/compulsory mixer or with a professional mixing paddle in a clean mixing vessel with clean, cold water until flowable. Water requirement, depending on the required flowability, approx. 5-5.5 l. | 1.32-1.45 gal. Mixing time 3 minutes. Stir again after a maturing time of 2 minutes. Avoid lump formation.

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: Pour the ready-mixed paving joint mortar onto the pre-wetted surface and work it carefully into the joints using a rubber squeegee. Joints that have subsided are filled again with fresh in fresh paving joint mortar. After setting, refilling is not permitted. Then remove the stone surface as cleanly as possible using a rubber squeegee and keep it constantly damp with a spray until cleaning. Avoid running water at all costs.

Final cleaning: After the material has stiffened (material in the joint can no longer be pressed in with the finger), the stone surface is wetted and then pre-washed with a hard broom/scrubber. After a waiting time of approx. 10 minutes, wash the surface intensively until clear water flows. Clean diagonally to the joint. Foam up mortar residue in recesses with a short-haired broom and remove excess mortar. Clean small areas and edges with a sponge board or sponge.

Post-treatment: Set cementitious joint mortar must be protected from drying out too quickly, draughts, direct sunlight and temperatures below 5 °C | 41 °F and above 30 °C | 86 °F. Moist post-treatment of the set mortar for 1-2 days ensures perfect curing.

Rain protection: The freshly grouted surface must be protected from driving rain for 24-48 hours.

Application data:

Application time at 20 °C | 68 °F: approx. 20 min.

Application temperature: 5-25 °C | 41-68 °F
Low temp. » slow curing
High temp. » fast curing

Release of the surface

at 20 °C | 68 °F: can be walked on after 3 hours,
fully loadable after 7 days

Consumption kg | lbs per 1 m² | 10,76 sq ft: (Basis of calculation: joint depth 40 mm | 1 1/2")

stone size	80 × 40 cm 31 1/2" × 15 3/4"	60 × 60 cm 23 1/2" × 23 1/2"	32 × 24 cm 12 1/2" × 9 1/2"	24 × 16 cm 9 1/2" × 6 1/4"	9 × 11 cm 3/8" × 3/8"
joint width 3 mm (min.)	0,8 kg 1.9 lbs	0,7 kg 1.4 lbs	1,5 kg 3.4 lbs	2,0 kg 4.4 lbs	4,2 kg 9.2 lbs
joint width 8 mm	2,2 kg 4.9 lbs	1,9 kg 4.1 lbs	4,2 kg 9.2 lbs	5,8 kg 12.8 lbs	10,7 kg 23.6 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 surface discoloration. 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.

Product-specific information: Changing amounts of mixing water and varying degrees of moisture in the substrate can lead to differences in color. Mixing water and mortar/mortar residue must not be discharged into drains.

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

Cleaning and maintenance: Cleaning with a belt cleaning machine is to be favored and is strongly recommended. Wet surfaces often appear clean even though there is still mortar residue. Application tools can be cleaned with water immediately after grouting.

GENERAL INFORMATION

Explanations: Usage demarcation, usage category and load classes indicate the load-bearing capacities for standardized substructures and superstructures in accordance with German standards RStO 12, ZTV- Road Construction, DIN 18318.

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 prospectus. Illustrations similar. Status: January 2024, subject to change.