

ROMPOX® - D1 plus
The pavement fixing mortar for slab surfaces
Product information

2 component epoxy resin pavement fixing mortar

- for light to medium traffic loads
- for joint widths from 3mm
- for joint depths from 30mm
- slightly water permeable
- self-compacting
- water emulsifiable
- can be applied from > 0 °C surface temperature
- can be applied during drizzle
- no need to cover surface during drizzle
- quick re-opening to traffic

Please take note of the brochure
"Technical information & practical application tips".

Construction site requirements: The surface should be prepared according to the expected traffic loads. The regulations and leaflets for the manufacture of paved stone surfaces should be heeded. Loads that later go over the surface must not cause the surface to sink or loosen stones. Ideally, "ROMEX® - TRASS BED - the frost resistant drainage mortar" should be used. See separate product information.

Preparation: Clean out joints to a depth of at least 30 mm (minimum joint width 5mm). 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.

Pre-wet: Pre-wet the surface. Porous surfaces as well as higher surface temperatures, require more intense pre-wetting.

Mixing: Open bucket, open the bottles that are inside and slowly pour the contents completely into the filler material component. Start mixing process. Do not add any more water! Total mixing time: at least 6 minutes.

Application: Apply the mixed pavement fixing mortar onto the well damp surface and work it carefully into the joints using a squeegee. In order to optimise the pourability of the pavement fixing mortar, the mortar should be poured onto three or four areas of the surface to be jointed. If the mixed mortar is not used immediately for application, then the leftover material should be mixed through again in the bucket before use, in order to ensure optimum pourability. Now carefully spray off the paved stone surface using a fine water spray.

Final cleaning: 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.

Subsequent treatment: Rain protection is not necessary in case of drizzle. In case of permanent or pouring rain, the freshly jointed surface needs to be protected against rain for the next 6 hours. The rain protection layer must not be laid directly onto the paved surface, this is to ensure sufficient air circulation. Safe rain protection is afforded by the specially developed ROMEX® protective surface mats, that can be simply laid onto the surface. 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. In case of uncertainty, a sample surface should be tested before the entire jointing is done.

Pre-wet
Pour in
Mix
Elutriation
Sweep off
Final cleaning

Application data:

Application time: 20 - 30 minutes at +20 °C application temperature

Surface temperature: > 0 °C (≤ +25 °C)

at low temperatures: slow hardening

at high temperatures: quick hardening

Surface re-opening: can be walked on after 6 hours / can be driven on after 24 hours

Technical data:

	Laboratory value ^{*1}	Building site value ^{*2}
Hard mortar raw density:	1,55 kg/dm ³	1,43 kg/dm ³
Bending tensile strength:	7,9 N/mm ²	7,9 N/mm ²

Compressive strength:	25,8 N/mm ²	16,6 N/mm ²
Static elasticity module:	1.060 N/mm ²	2.180 N/mm ²
Water permeability value:	-	7,5 • 10 ⁻⁴ m/s = approx.2,3 l/min/m ² (for a joint fraction of 10%) ³

Storage life: 12 months, frostfree, dry