

ROMPOX[®] - PROFI-DEKO



The professional grit and gravel hardener

2 component synthetic resin binding agent

for washed, dried and dustfree gravel and grit (grainsize from approx. 2-10mm | 1/16" - 3/7").*¹



PROPERTIES

- for pedestrian loads
- for joint depths from 30mm | 1 3/16"
- highly water permeable
- ideal for pathway construction and tree pits
- water resistant
- for professional use
- strengthens gravel and grit (grainsize from approx. 2-10mm | 1/16" - 3/7")*¹ (not suitable for white stones)
- high strength
- can be applied from > 0°C | > 32°F surface temperature

Colour: transparent

ROMEX[®]
PFLASTERFUGENMÖRTEL

Films & Consumption calculator at www.romex-pfm.de

Application

Construction site requirements: Superstructure and substructure must be water permeable. The subsurface should be built according to the expected traffic loads. Future loads must not result in any settling of the surface.

Preparation: The surface to be strengthened should be prepared with a depth of at least 30 mm | 1 3/16", the subsurface should be firm. Adjoining surfaces that are not to be strengthened are taped off. Dusty, dirty gravel /grit should be washed and fully dried. (If moisture/damp are present then there may be a reduction in strength!)

Mixing: 75 kg | 165,6 lbs (3x25 kg | 55,1 lbs) of clean and dry gravel/grit are put into the concrete or gravity mixer and the mixing process is started. Add the 3,0 kg | 6,6 lbs resin/hardener component slowly and completely whilst mixing. Total mixing time at least 5 minutes.

Application: Pour the mixture onto the prepared surface, if necessary pre-distribute using a shovel and then use a levelling batten (use a gauge) to create at least 30 mm | 1 3/16" of layer thickness and an even height. Compact the mixture using a light vibratory plate or a smoothing trowel and make the surface smooth. Good compacting is vital, to ensure the longevity of the end product!

Subsequent treatment: The freshly strengthened surface should be protected against rain for 24 hours. The rain protection should not be laid directly onto the surface so as to allow air to circulate.

Important instruction: Lay a sample surface before strengthening if there is any doubt about suitability of surface. Not suitable for white stones. Dry the washed gravel/grit (grainsize from approx. 2-10 mm | 1/16"-3/8")*1 completely, as moisture/damp can cause a reduction in strength

PROFESSIONAL TIP: Surfaces subjected to heavy loads (i.e. tree pits/grates in public areas) should be laid using a surface depth of at least 5 cm | 2". Immediately after the surface has hardened, the ROMPOX®-PROFI-DEKO-binding agent that has been used, is applied undiluted to the stone surface as a sealant, using a brush or fur roller. This results in an even better surface strength. Requirements for the sealing are approx. 200-300 ml/m² | 0,05 - 0,08 gal/sq ft.

Application data:

Application time:	20-30 minutes at +20°C +68°F application temperature
Surface temperature:	> 0°C > 32°F (≤ +30°C ≤ +86°F)
at lower temperatures:	slow hardening
at high temperatures:	quick hardening
Surface re-opening:	can be walked on after 24 hours/free for full use after 6 days

Technical data: ^{*2}	Building site value
Hard mortar raw density:	1,58 kg/dm ³ 0,91 oz/in ³
Bending tensile strength:	4,8 N/mm ² 696 psi
Compressive strength:	13,9 N/mm ² 2.016 psi
Water permeability value:	high ^{*3}

Storage life: 12 months, frostfree

Consumption table in kg/m² | lb/sq ft - Basis for calculation: surface depth Ø 30 mm | 1 3/16"

For each 1,5 m² of surface to be strengthened the following is required:

- 3,0 kg | 5,5 lbs resin/hardener component ROMPOX®-PROFI-DEKO
- + 75 kg | 165,6 lbs (3 sacks à 25 kg | 55,1 lbs) gravel/grit (grainsize approx. 2-10 mm | 1/16"-3/8")*1



Mix



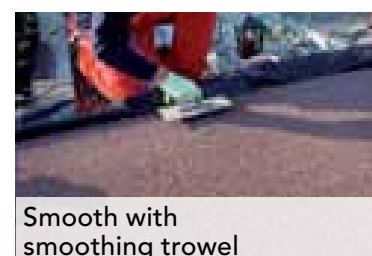
Pre-distribute



Level



Smooth using vibratory plate



Smooth with smoothing trowel

*1 Delivery without gravel/grit. This can be got on the part of the contractor, i.e. from the building material trade.

*2 Values based on the use of ROMEX® Reference gravel, grainsize 3/5 mm | 1/8" to 3/16"

*3 water permeable acc. to „Leaflet on water permeable pavements and roads“ by Research institute for road and traffic (Germany); issue 1998