

# ROMPOX®-DEKO-PRO



## 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" - 3/8").\*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" - 3/8")\*1 (not suitable for white stones)
- high strength
- can be applied from > 0°C | > 32°F surface temperature

Colour: transparent

**ROMEX®**  
PFLASTERFUGENMÖRTEL

## 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 30mm | 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:** 50kg | 110 lbs of clean and dry gravel/grit are put into the concrete or gravity mixer and the mixing process is started. Add the 2,5kg | 5,5 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 30mm | 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. 2-10mm | 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® -DEKO-PRO-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: <sup>2</sup> | Building site value       |
|------------------------------|---------------------------|
| Hard mortar raw density:     | 1,58 kg/dm³   0,91 oz/in³ |
| Bending tensile strength:    | 4,8 N/mm²   696 psi       |
| Compressive strength:        | 13,9 N/mm²   2.016 psi    |
| Water permeability value:    | high <sup>3</sup>         |

**Storage life:** 24 months, frost free

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

|   |
|---|
| For each 1 m²   11 sqft of surface to be strengthened the following is required:      |
| → 2,5kg   5,5 lbs resin/hardener component ROMPOX® -DEKO-PRO                          |
| → + 50kg   110 lbs gravel/grit (grainsize approx. 2-10 mm   1/16"- 3/8") <sup>1</sup> |



Mix



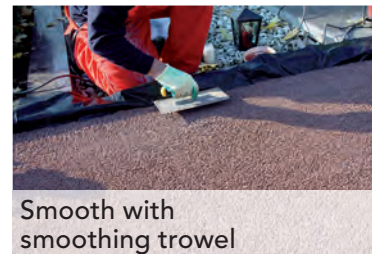
Pre-distribute



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 3/5mm | 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