



ROMEX® PROFI-DEKO

Gravel Binder

PROFI-DEKO bonds any clear aggregate without fines. Simply mix the resin with your choice of gravel and trowel until level to create a durable and highly permeable surface. For light-colored aggregate, use ROMEX® DEKO UV

Ideal for tree surrounds, decorative drainage areas and surfaces with vehicle requirements.

- Prevents loose gravel
- Safe non slip surface
- Washed, dry and dust-free aggregate
- For pedestrian & vehicular loads



Highly
Permeable



ADA
Compliant

*Compatible with any
aggregate without fines!*



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APPLICATION

Construction Site Preparation: Prepare the foundation for expected traffic loads. Ensure the substructure is water-permeable. Follow regulations and guides for paved stone surfaces. Ensure the subsurface won't settle by using clear gravel and optional geogrid

Preparation: Ensure there is a water-permeable substrate. Tape off adjoining surfaces not to be affected. Clean and dry aggregate before using PROFI-DEKO. NOTE: wet or dirty aggregate will negatively affect the finished result!

Cleaning if Required: Ensure stone is clean before use, dirty aggregate will negatively effect the end result. Contact a ROMEX rep to determine the best way to clean your stone.

Mixing: Follow the mixing ratio in the consumption table, typically for ¼" clean aggregate mix approx. 150 - 160 lbs stone with each set of Profi Deko. Pour clean and dry gravel into the mixer. Slowly add the two-component resin while mixing for at least 4 minutes.

Application: Pour the mix onto the prepared surface. Disperse if necessary and level to at least 30 mm | 1 1/4" (depending on expected loads and substrate condition). Smoothen and level using screeds, magnesium trowels and smoothing trowels. Smooth the surface, ensuring good light compaction and avoiding impurities. Paint thinner or soap and water in a squirt bottle should be applied periodically to the tools during installation to keep them clean. The mixer should be periodically cleaned to prevent build-up on hot days, paint thinner and some clean stone is a great way to keep the mixer clean every 1-2 hours.

Subsequent Treatment: Protect the freshly jointed surface from rain for 12-24 hours. Do not lay the rain protection layer directly onto the surface, a raised cover must be utilized, if that is not possible the project should not happen until the right conditions present themselves. For heavy-use or commercial surfaces, ensure a minimum surface depth of 5 cm | 2" After hardening or the following day, roll ROMEX® - PROFI-DEKO undiluted over the surface using a paintbrush or roller for extra strength. A future topcoat may be needed depending on the surface use with consumption of approx. 200-300 ml/m² | 0.04-0.06 lbs/sqft or around 150 sq ft/ full set of resin. A top coat should be considered every 3 years depending on the use of the space and site specifics.

Important Notes: Test a sample surface if uncertain. Ensure washed gravel is completely clean and dry to avoid loss of strength due to dust or dampness. Use ROMEX-approved aggregate and call before you install.

Test report no. 53-1607/12 CPH-13478 (Technical datas depend on used grit/gravel)			
System	2-component epoxy resin system		
Compressive strength	13.9 N/mm² 2 016 psi	Building site value	DIN 18555 part 3
Bending tensile strength	4.8 N/mm² 696 psi	Building site value	DIN 18555 part 3
Hard mortar raw density	1.58 kg/dm³ 0.91 oz/in³	Building site value	DIN 18555 part 3
Application time at 20 °C 68 °F	20-30 minutes		ROMEX®-norm 04
Application temperature	> 0 °C up to max. 30 °C > 32 °F up to max. 86 °F At lower temperatures slow hardening, at high temperatures quick hardening		
Re-opening of surface at 20 °C 68 °F	after 24 hours can be walked on, after 6 days fully load bearing		
Water permeability	very high permeable depending on grain size		
Storage life	24 months		
Storage	frostfree, dry		

Approx. consumption per 1,5 m² at Ø 30 mm surface depth:

Pedestrian loads: e. g. garden paths, flower beds, Spray protection strip or tree pits

3 kg | 6.6 lbs resin/hardener component ROMPOX® - PROFI-DEKO + 75 kg | 165 lbs

(3 x 25 kg | 3 x 55 lbs) grit/gravel (grainsize of approx. 2-5 mm | 1/4"-1/2")

Examples: Consumption binding agent grit strengthening per m²*

Material	Minimum depth	Quantity of Aggregate	Quantity of Binder	Estimated Coverage
2-5 mm Granite grit	1.5" (3.8 cm)	160 lbs (72.5 kg)	6.61 lbs (3 kg) (1x set of resin)	12.5 sqft (1.16 m ²)
4-8 mm Grit				
8-11 mm Grit				
12-16 mm Round gravel	2" (5 cm)	220 lbs (100 kg)		13.4 sqft (1.25 m ²)
16-22 mm Grit	2 1/4" (7 cm)			10.4 sqft (0.97 m ²)
32-45 mm Decorative Gravel	6" (15 cm)			4.4 sqft (0.41 m ²)

Approx. consumption per 0,7 m² at Ø 50 mm surface depth:

Light traffic loads up to 3 t: i.e. Privately used driveways or car parking spaces

3 kg | 6.6 lbs resin/hardener component ROMPOX® - PROFI-DEKO + 50 kg | 110 lbs

grit/gravel grainsize from approx. 2-5 mm to 4-8 mm | 1/4"-1/2" to 1/2"-3/4"

Only with settlement-free, water permeable bedding and base course. We recommend ROMPOX® - TRASS-BED as bedding mortar. Immediately after hardening of the surface, the ROMPOX® - PROFI-DEKO binding agent that was used is applied undiluted with a brush or fur roller to the stone surface to act as sealant. This process ensures an even better surface strength. Consumption for subsequent sealing: approx. 200-300 ml/m² | 0.04-0.06 lbs/sqft.

Examples: Consumption binding agent grit strengthening per m²*

Material	Minimum depth	Quantity of Aggregate	Quantity of Binder	Estimated Coverage
2-5 mm Granite grit	2" (5 cm)	110 lbs (50 kg)	6.61 lbs (3 kg) (1x set of resin)	6.2 sqft (0.58 m ²)
4-8 mm Grit				7.8 sqft (0.73 m ²)



MIXING

Mix approx 150 lbs of grit or gravel with PROFI-DEKO resin for 3-4 mins



POUR ON

Pour mixture onto the prepared surface



SCREED & LEVEL

Screed the mix to the desired height and level using screed tools



FINISH

Use finishing trowel to lightly compact and ensure a smooth final surface



COMPLETE

Allow 24 hours for surface to cure and protect from rain



**CALL BEFORE
YOU INSTALL**

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