

Application Instructions / Technical Data Sheet

CAIRCON Stone Carpet Set VERTICAL

(25 kg marble pebbles + 3 kg binder VERTICAL)

Vertical stone carpet set is a seamless stone carpet system made from colourless PU resin and bound stone granules, ideal for vertical surfaces. It is used in homes, showrooms, offices and more. The system offers a variety of stone types and colours which, through different grain sizes, provide a lively, natural appearance. With correct pre-treatment, stone carpet adheres to almost all substrates such as screed, concrete, old tiles, mastic asphalt and even load-bearing plastic substrates. The vertical stone carpet set is also suitable for wall heating and is therefore ideal for bathrooms and wellness areas. Stone carpet is frost-resistant, watertight and easy to maintain, making it suitable for both interior and exterior use.

IMPORTANT: For horizontal surfaces, we recommend the CAIRCON Stone Carpet Set.

Step 1. Substrate preparation

1. Cleaning the substrate: Before coating, all surfaces must be cleaned **thoroughly with CAIRCON Special Cleaner**. Cement slurry, sintered layers, formwork oil residues and deposits of surfactants and lime should be removed in particular. For greasy or oily contamination, CAIRCON Special **Degreaser can alternatively** be used. After cleaning, the floor should be prepared with CAIRCON Etching Solution **before applying** the stone carpet system. CAIRCON Etching Solution micro-roughens the surface and thus considerably improves adhesion of the stone carpet system.

If third-party products are used for substrate preparation, verify their compatibility and a satisfactory final result by preparing a test area BEFORE coating. When third-party products are used, no liability can be accepted for a proper application result.

2. Priming: After the surface has been cleaned and etched, it is important to prepare it for coating **with CAIRCON Stone Carpet Primer**. The amount of CAIRCON Stone Carpet Primer applied depends on the absorbency of the substrate. The more absorbent the substrate, the more CAIRCON Stone Carpet Primer must be applied. **It is essential to use only the matching CAIRCON Stone Carpet Primer with the stone carpet system, as third-party products may prevent a durable, secure bond.**

IMPORTANT: Damp stones, e.g. from rain or condensation, must not be applied. Store the material dry at room temperature for approx. 24 hours before application. Storage temperature should be at least 15 degrees. Avoid direct sunlight and protect the material from frost.

Step 3. Application

1. Applying the adhesive film with binder: Pre-apply a thin layer of binder (approx. 200-300 grams) per 2 m² of surface as a bonding bridge. Application can be carried out with a wide brush, trowel or brush. Then allow this layer to become tacky for approx. 10-15 minutes.

2. Preparing the stone compound: Thoroughly mix the remainder of the binder with the stones. For easy mixing, place the stones in a large container, add the binder and mix, for example, with a drill at low speed. This method mixes the stones more effectively with the binder and the compound holds

together well. After thorough mixing, the compound should appear completely wet and remain as a lump on the smoothing trowel. If it crumbles apart, more stone binder must be added.

Mix the stone carpet material and apply it immediately. Ensure that you mix only as much material as you can apply promptly. Note: increasing ambient temperature accelerates curing of the stone carpet.

3. Applying the stone carpet material: Use a smoothing trowel to apply the stones to the wall. Take small portions of material on the trowel and spread them evenly on the wall from bottom to top. This prevents the stones from falling off.

4. Cleaning the trowel: During work, repeatedly rub the smoothing trowel dry and clean with a cloth.

5. Special information regarding installing stone flooring on stairs: When applying vertical stone carpet to stairs, suitable aluminium edge and corner rails should be used to prevent the stone carpet from slipping. The rails are barely visible afterwards and provide perfect edge protection.

6. Optimum layer thickness: For the stone surface, we recommend an application thickness of approximately 6 mm. If you choose a thicker layer, note that this requires a significantly longer curing time.

7. Smoothing and additional sealing: You can achieve additional pore closure with a further final **coat of CAIRCON Stone Carpet Sealer VERTICAL**. However, this should only be performed after the drying time has elapsed. Sealing gives the stone carpet a smoother and more even appearance. In wet rooms or a walk-in shower, pore closure must be performed to seal the stone carpet completely.

Step 4. Maintenance and cleaning

The cleaner should be free from solvents so that the binder between the pebbles is not detached. However, always note that the floor must not be cleaned during the first 7 days after installation.

Drying times

For a stone carpet, drying time is not the same as curing time. In most cases, the surface can generally be loaded again after just over 24 hours, but stone carpet is not properly cured until after approx. 7 days. Wait until complete curing before the first cleaning.

loadable	fully cured
24 hours	7-9 days

Please note: these times apply only at an optimum air temperature of 20-25°C and humidity of 40-60% and may vary when these conditions change.

Technical data

Optimum application conditions	Air temperature: 20-25°C; surface temperature > 15°C; relative humidity: 40-60%. Air velocity: min. 0.4 m/s (ensure good ventilation).
Application conditions	Do NOT apply at temperatures below +15°C or above +25°C, or at humidity above 70%. During drying and the subsequent curing period of approx. 8 days, the temperature should also not fall below +15°C.
Shelf life	approx. 24 months when unopened containers are properly stored at +5°C to +25°C. Protect from frost and moisture.

Suitable for	Screed, concrete, tiles, mastic asphalt, etc.
Coverage	25 kg marble pebbles + 3 kg PU binder = a coating of approx. 2 m ²

Recommended additional products

Cleaning	CAIRCON Special Cleaner, CAIRCON Etching Solution, CAIRCON Special Degreaser
Substrate preparation	CAIRCON Stone Carpet Primer
Additional sealing	CAIRCON Stone Carpet Sealer Vertical
Similar products	CAIRCON Stone Carpet Set Horizontal, CAIRCON Stone Carpet Binder Vertical



Warnings and safety information

Binder VERTICAL

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard statements for health hazards:

- **H317** May cause an allergic skin reaction.

Hazard statements for environmental hazards:

- **H412** Harmful to aquatic life with long lasting effects.

Supplemental hazard statements:

- **EUH208** Contains adipohydrazide. May produce an allergic reaction.

Precautionary statements:

- **P102** Keep out of reach of children.

Precautionary statements - Prevention:

- **P262** Do not get in eyes, on skin, or on clothing.

Precautionary statements - Response:

- **P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- **P333 + P313** If skin irritation or rash occurs: Get medical advice/attention.
- **P391** Collect spillage.

Precautionary statements - Disposal:

- **P501** Dispose of contents/container at a suitable recycling or disposal facility.

