

01 / TECHNICAL OVERVIEW

Concretta Stone Carpet

Technical information and key benefits

WHAT IS CONCRETTA STONE CARPET?

Concretta Stone Carpet is a decorative surface system created by homogeneously coating selected, clean and dry natural mineral aggregates with a transparent two-component binder and trowel-applying the mixture to the substrate. Its seamless appearance, natural stone texture and open-pore or sealed-pore finish options, depending on project conditions, make it suitable for indoor and outdoor use.

NATURAL AGGREGATE · Selected mineral stone

TYPICAL THICKNESS · 6-10 mm depending on grain size

SEAMLESS SURFACE · Seamless and decorative

VERSATILE · Indoor and outdoor

WHY CONCRETTA STONE CARPET?

Natural and distinctive appearance

Preserves the colour and grain variations of natural stone; each surface gains a unique architectural character.

Durable and easy to maintain

With the correct substrate, binder and application, a pedestrian-traffic-ready coating is achieved that is easy to clean and suitable for local repairs.

KEY BENEFITS

Natural stone texture with a seamless, modern surface appearance

Suitable for indoor and outdoor use with proper system design

Project-specific design through colour and aggregate blends

Open-pore system supports surface drainage

Slip-resistance-enhancing finish option for wet areas

Low maintenance with regular cleaning and local repair capability

02 / APPLICATION

Application and Performance

Surface preparation, priming, installation and areas of use

APPLICATION STEP**01 / SURFACE PREPARATION AND PRIMING**

The substrate must be sound, stable, dry and load-bearing. Dust, oil, paint, loose particles and adhesion-reducing layers are removed mechanically. Cracks and defects are repaired; the appropriate Concretta system primer is applied uniformly according to absorbency and substrate type.

APPLICATION · Clean / sound / dry

CHECK · Adhesion and flatness

APPLICATION STEP**02 / MIXING AND INSTALLATION**

Components A and B of the binder are mixed at the product-specified ratio with a low-speed mixer. The resin is fully transferred to the dry aggregate and mixed until all stones are evenly coated. The mixture is spread immediately, levelled and compacted with a suitable trowel to finish.

APPLICATION · Clean tools / uniform mix

CHECK · Thickness and surface integrity

PERFORMANCE AND AREAS OF USE

OUTDOOR SUITABILITY · For UV exposure, a project-appropriate UV-resistant binder must be used.

OPEN / SEALED PORE

An open-pore structure supports drainage; a pore-filled finish keeps liquid at the surface.

CURING AND OPENING TO TRAFFIC

Typical pedestrian traffic time is approx. 24 hours at 20 °C; follow the binder technical data sheet.

WET AREA SAFETY

Where required, a slip-resistance-enhancing finish and correct slope are designed.

AREAS OF USE

Terraces, balconies, pool surrounds, walkways, residences, shops, offices and exhibition areas.

CLEANING AND MAINTENANCE

Maintain regularly using a vacuum, soft brush and suitable neutral cleaning products.

03 / SPECIFICATION

Technical Specification

Concretta Stone Carpet surface coating system

- 1 / The system shall consist of selected natural mineral aggregate, a compatible two-component binder and the required system primer.
- 2 / Aggregates shall be screened, clean, dry, sound and have a controlled particle-size distribution.
- 3 / The substrate shall be sound, stable, load-bearing, clean and within the moisture limits accepted by the binder.
- 4 / Surface preparation shall be carried out mechanically; oil, dust, laitance and adhesion-reducing residues shall be removed.
- 5 / A Concretta system primer suitable for the substrate type and absorbency shall be applied continuously.
- 6 / For outdoor and UV-exposed areas, a yellowing-resistant binder suitable for exterior use shall be selected.
- 7 / The ratios of components A and B and aggregate shall fully comply with the packaging and formulation ratios specified by the manufacturer.
- 8 / The mixture shall be prepared with clean equipment at low speed until all aggregates are evenly coated.
- 9 / Coating thickness shall be determined by aggregate grain size and service load; typical system thickness shall be 6-10 mm.
- 10 / The mixture shall be placed immediately, levelled and compacted with a trowel to obtain a uniform surface.
- 11 / Structural and movement joints shall not be covered beneath the coating; they shall be carried through to the surface and detailed with a suitable elastic solution.
- 12 / In outdoor and wet areas, the surface slope shall be prepared to prevent water ponding.
- 13 / In wet areas, pore filling, waterproofing and a slip-resistance-enhancing topcoat shall be applied as required by the project.
- 14 / During curing, the new surface shall be protected from water, rain, frost, dust, impact and traffic; the binder technical data sheet shall govern the time before opening to use.

System components should be used together for natural stone-textured, seamless and durable surfaces.

CONCRETTA

Surface and application examples

