DECORKRETE+

Micro-cement decorative coating

Decorkrete+ is a bicomponent premixed product based on fine cements and latex, designed to obtain smooth, uniform, and continuous low-thickness coatings. Its high physical-mechanical performance guarantees abrasion resistance, elasticity, and optimal adhesion on mineral, absorbent, and non-absorbent surfaces, both indoors and outdoors. Thanks to its filling power, it allows for leveling small imperfections of the support, achieving crack-free smoothing and modern finishes. The bicomponent formulation and optimized workability allow for the creation of customized decorative effects, from clouded to troweled, with fast and controlled applications.

YIELD

1,20 kg/m^2 (0.25 lb/ft^2) in two layers.

PACKAGING

Component A = 10 kg in plastic buckets
Component B = 3 kg in plastic tanks
Pallet: n° 36 packs (468 kg).

MIXING RATIO

Component A: Component B = 10: 3 kg

APPEARANCE AND COLOR

Component A	Component B
Powder	Liquid

Consult the product brochure.[1]

STORAGE

Store the product in its original, well-closed packaging, protected from sunlight, water, and frost, at temperatures between +5°C and +35°C. Storage life: 12 months.

FIELDS OF APPLICATION

Decorkrete+ is ideal for floor and wall coatings, both indoors and outdoors, on concrete, tiles, and mosaics. Perfect for shops, showrooms, residences, wellness centers, workshops, bars, and restaurants, or generally any context where a high-quality continuous decorative coating is required. For significant differences in support levels, the use of self-leveling compounds is recommended.

BENEFITS

- Continuous, monolithic coating, free of joints or cracks.
- Applicable in low thicknesses, even over existing tiles.
- Possibility of creating "clouded" or "troweled" finishes.
- Excellent filling power.
- Wear-resistant.
- Suitable for indoors and outdoors; resistant to high and low temperatures and humidity.
- Odor-free and easy to clean.

[1] I The colors shown in the brochure are indicative and may differ from the actual result.

CONTRIBUTES TO BREEAM® CONTRIBUTES TO WELL® CONTRIBUTES TO LEED®

UK CA BS EN 13813 CE EN 13813

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DIASEN SRL UNIPERSONALE – Società Benefit
Zona Industriale Berbentina 5 – 60041 Sassoferrato (AN) | Italia
+39 07329718 | diasen.com | P.IVA 01553210426
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PREPARATION OF THE SUPPORT

To ensure adhesion and the desired aesthetic effect, the support must be flat, leveled, clean, and dry, free of dust, oil, greases, mud, friable parts, paints, or any material that could jeopardize the product's adhesion. The substrate must be completely hardened and sufficiently resistant; any detached parts must be removed by sanding or milling, and hollows, cracks, or degraded portions must be repaired with a suitable mortar. Residual moisture in the support can jeopardize adhesion.

Mosaic or trowelled surfaces

Verify that mosaics and tiles are firmly anchored and free of damage; otherwise, remove and repair them with a suitable cementitious mortar. The surface must not show residues of greases, oils, waxes, or other releasing materials. It is recommended to use a self-leveling mortar to regularize joints or other deep irregularities. Afterward, apply *Watstop* (see technical data sheet).

Concrete

In the case of newly constructed cementitious substrates, they must be completely seasoned. Repair any cracks, holes, or unevenness with a suitable mortar. Protect reinforcement bars with an appropriate passivating agent. On smooth and dry concrete, *Color Primer* is recommended for better adhesion. On damp supports or those subject to rising damp, use Watstop, which can also fill small cracks or micro-cracks.

Plasterboard

For a workmanlike manner application of *Decorkrete+*, it is essential that the support panels are mechanically fixed in a rigid and permanent way. Ensure that joints and connections are correctly filled and sanded. Apply the *D20* fixative first, followed by Color Primer (see technical data sheets).

New plasters

The support must be seasoned and as regular as possible; otherwise, apply a coat of a suitable leveling compound. On leveling compounds or directly on plasters, apply the *D20* fixative. If the substrate shows micro-cracks, apply white *Color Primer*.

Old plasters

The support must be stable and well-adherent; remove or redo any degraded parts. For painted plasters, test the adhesion before application. On smooth, cracked, or crazed surfaces, apply Color Primer; on dusty substrates, use D20, or both products if necessary.

Joints treatment

Joints between panels (expansion, control, or isolation joints) must be sealed before applying *Decorkrete+* with *Diaseal Strong* (see technical data sheet).

MIXING

Decorkrete+ is supplied in pre-dosed packaging. If required by the project, add the necessary coloring (pre-dosed toner included in the pack) to Component B (liquid part) and shake very well. Slowly pour Component B into Component A while mixing until a homogeneous mixture is obtained. Only if necessary, adjust the density with small additions of water.
The mixed compound has a workability time (pot life) of maximum 30 minutes at 20°C, which varies depending on the temperature: lower temperatures extend the workability time, while higher temperatures reduce it.

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APPLICATION

General conditions

Apply the product at temperatures between +8°C and +35°C. In any case, the surface must be clean, dry, leveled, and prepared with the primers and products indicated for each support. Respect the drying times between the various coats (approximately 6 hours at 23°C and 50% relative humidity) as shown in the summary table in the "*Product Curing*" chapter.

Application cycle on walls in highly damp areas (saunas, bathrooms, shower stalls)

1. Apply *Watstop* in two coats and wait for complete drying.
2. Apply the first coat of *Decorkrete+* within 48 hours of completing the last coat of *Watstop*, using a stainless-steel trowel with rounded edges.
3. After the first coat is completely dry, apply the second coat of *Decorkrete+* until the total thickness (~2 mm) and the indicated yield are reached.
4. Once the second coat is also dry, sand the surface with sandpaper (80–120 grit).
5. Thoroughly remove residual dust using dry systems and apply one coat of D20 with a yield of 0.10 kg/m².
6. Once the D20 is completely dry, protect with *Revela Clear* in 2 coats (0.10 kg/m² for each coat).

Application cycle on walls in damp areas that do not require frequent washing

1. Apply *Watstop* in two coats and wait for complete drying.
2. Apply the first coat of *Decorkrete+* within 48 hours of completing the last coat of *Watstop*, using a stainless-steel trowel with rounded edges.
3. After the first coat is completely dry, apply the second coat of *Decorkrete+* until the total thickness (~2 mm) and the indicated yield are reached.
4. Once the second coat is also dry, sand the surface with sandpaper (80–120 grit).
5. Thoroughly remove residual dust using dry systems.
6. Protect with *Revela Zero* according to the expected yield (0.40 - 0.70 kg/m²).

Application cycle on walls in dry and non-absorbent areas that do not require frequent washing

1. Apply Color Primer in two coats and wait for complete drying.
2. Apply the first coat of *Decorkrete+* within 48 hours of completing the last coat of the primer, using a stainless-steel trowel with rounded edges.
3. After the first coat is completely dry, apply the second coat of *Decorkrete+* until the total thickness (~2 mm) and the indicated yield are reached.
4. Once the second coat is also dry, sand the surface with sandpaper (80–120 grit).
5. Thoroughly remove residual dust using dry systems.
6. Protect with *Revela Zero* according to the expected yield (0.40 - 0.70 kg/m²).

Application cycle on supports requiring frequent washing

In case of use on supports that require frequent washing, such as furniture, kitchens, or high-traffic walls, it is always recommended to coat *Decorkrete+* with the finishing system consisting of one coat of *D20* with a yield of 0.10 kg/m² (see technical data sheet), followed by two coats of *Revela Clear* with a yield of 0.10 kg/m² per coat (see technical data sheet).

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Application cycle on floors

Apply *Watstop* in two coats and wait for complete drying.

1. Apply the first coat of *Decorkrete+* within 48 hours of completing the last coat of *Watstop*, using a stainless-steel trowel with rounded edges.
2. After the first coat is completely dry, apply the second coat of *Decorkrete+* until the total thickness (~2 mm) and the indicated yield are reached.
3. Once the second coat is also dry, sand the surface with sandpaper. It is recommended to sand horizontal surfaces with a single-disc machine for screed smoothing, equipped with the following accessories: disc holder for abrasive discs and double-sided silicon carbide abrasive discs. The use of a sander (reference model "**Festool**" **ETS EC 125/3 EQ-Plus** 400 W) and sandpaper with a grit between 80-120 is suggested.
4. Thoroughly remove residual dust using dry systems and apply one coat of D20 with a yield of 0.10 kg/m².
5. Once the D20 is completely dry, protect with *Revela Clear* according to the expected yield (0.10 kg/m² per coat).

PRODUCT CURING

For drying (at 20°C) and curing times, refer to the table below:

Workability time (Pot-life)	30 minutes
Touch time dry	2-4 hours
Waiting time between the 1st and 2nd coat	4-6 hours
Foot traffic	12-24 hours
Final setting time	7 days

EFFECTS

Clouded

- When the second coat of *Decorkrete+* starts to dry (approximately 20–30 minutes after application), spray water on the surface until saturation.
- Using a smooth trowel, distribute the water over the surface with light and random movements, creating areas with different levels of moisture.
- Allow to dry completely before sanding and proceeding with the final finish.

NOTE: Vary the amount of water to modulate the contrast between light and dark areas. The trowel can be tilted or moved lightly to achieve softer transitions.

Troweled

- During the application of the first coat of *Decorkrete+*, use semi-circular movements with the trowel, leaving the product ridges visible to create irregular textures ("stone" effect).
- The second coat must be applied evenly and smoothly, without removing the ridges generated by the first coat, to obtain a natural three-dimensional effect.
- Lightly sand if necessary to soften the most pronounced roughness and proceed with the protective finish.

NOTE: The intensity of the trowel movement determines the depth of the textures. It is possible to combine semi-circular and linear movements to vary the final effect.

SUGGETIONS

- Do not apply with ambient or support temperatures below +5°C or above +30°C.

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- During the summer season, apply the product during the coolest hours of the day, protected from direct sunlight.
- Do not apply in case of imminent danger of rain or frost, in conditions of thick fog, or with relative humidity higher than 70%.
- In any case, protect the product from driving rain until it is completely dry.
- Before applying the product, it is recommended to cover any element that should not be coated.

CLEANNING

The equipment used can be washed with water, preferably lukewarm, before the product hardens.

SAFETY

Always use personal protective equipment (PPE) during handling and follow the instructions provided in the product's safety data sheet (SDS).

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TECHNICAL DATA

* The data reported, even if obtained by performing standardized test methodologies, are indicative and may undergo changes as the specific site conditions vary.

PHYSICAL/ TECHNICAL *			
CHARACTERISTIC DATA	**VALUE**		**UNIT**
Yield	1,20 kg/m²	in two layers	kg/m²
	0.25 lb/ft²		lb/ft²
Appearance	**Component A**	**Component B**	-
	Powder	liquid	
Color	**Component A**	**Component B**	-
	White	White	
Specific weight	**Component A**	**Component B**	g/cm³
	1,9	1,01	
Mixture color	white/grey		-
Mixture consistency	Paste		-
Specific weight (mixture)	1,95		g/cm³
Application temperature	+5 / +30		°C
Workability time (Pot-life)	30		Minutes
Touch dry time	2-4		Hours
Waiting time between the 1st and 2nd coat	4-6		Hours
Foot traffic	12-24		Hours
Final setting time	7		Days
Storage	12		Months
Packaging	Component A	Component B	kg
	10	3	
	13 kg plastic bucket		

PERFORMANCES*				
FINAL PERFORMANCES	**VALUE**	**UNIT**	**NORME**	**RESULT**
Compressive strength *At 28 days*	31,5	N/mm²	ASTM D 695	-
Flexural strength *At 28 days*	12,0	N/mm²	ASTM D 790	-
CO_2 permeability	R > 50	N/A	EN 1062	-
Water vapor permeability (μ)	-	N/A	EN ISO 7783	Class I
Capillary absorption and water permeability	0,1 kg/m²·h^{0,5}	N/A	EN ISO 1062-3	-
Pull-off adhesion strength	2,0	N/mm²	EN 1542	-
Reaction to fire	-	N/A	EN 13501-1	Class F

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