

CreteSeal 2K Solvent-Based Sealer

Datasheet

February 2026

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CreteSeal 2K Solvent-Based Sealer is a twin pack, acrylic modified, aliphatic polyurethane coating formulated to obtain a UV stable coating onto uncoated cement, decorative cement finishes and various other finishes.

Technical Data

Type	Twin pack polyurethane coating
Colour	Transparent Gloss and Matt
Pot life	1 hour in can
Tack Time	45 minutes
Surface Dry	4 hours
Overcoat Time	Minimum 5 hours (but within 24 hours)
Light foot traffic	3 days
Full Cure	7 days
Components	Two
Mix Ratio	4 volumes + 1 volume
Coverage	7 - 8 m ² / L / per coat
Application	Roller or Airless Spray
Application temperature (ambient)	10°C to 30°C
Substrate temperature	10°C to 30°C
UV resistance	Stable and non-yellowing
Components	2
Protection during application	Use sun and wind barriers
Safety	Refer to MSDS

Purpose

Provides a protective, tough, and durable clear coating with a typical dry film thickness of 100 microns in two coats, making it ideal for high-traffic areas. Suitable for sealing Cemcrete decorative floor coatings as well as concrete, metal, wood, and natural stone.

Benefits

- UV-stable and non-chalking finish
- High-gloss appearance with excellent gloss retention, also available in a matt finish
- Excellent resistance to weathering and environmental exposure
- Flexible and durable coating
- Excellent resistance to abrasion, acids, alkalis, and solvents
- Strong adhesion to a wide range of substrates
- Rapid drying time
- Provides a slick, tough, and long-lasting finish
- Suitable for light commercial floors with high foot traffic

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Uses

- Cemcrete's decorative coatings, including Colour Hardener, CreteCote, RenoCrete, Terrazzo and CreteStain.
- Suitable for coating a wide range of substrates, including concrete, metal, wood, and natural stone.
- Ideal for high traffic areas.
- Suitable for interior and exterior floors and work spaces, provided that adequate sub-base waterproofing is in place.

Limitations

- Strictly adhere to specified mixing ratios; incorrect ratios may cause improper curing, such as excessively fast or slow drying, or a tacky finish.
- Do not apply to surfaces below 10°C, as this will prevent the sealer from coalescing.
- Ensure no pooling of the sealer is left on the surface during application.
- Be aware of condensation that may form on surfaces. The moisture must be carefully removed and the surface checked with a moisture meter before applying the coating.
- Not for use in water-retaining structures.
- Not suitable for industrial use.
- Be aware of rubber and plastic-based items that could damage the sealer. Refer to this link for details: <https://www.cemcrete.co.za/plasticizer-migration-explained.html>
- Use in combination with Cemcrete's Maintenance products for best prevention against minor scratches.
- The system is moisture-sensitive: keep all tools dry and keep Part B containers tightly sealed when not in use.

Suitable Surfaces

- Cemcrete's decorative flooring products (such as Colour Hardener, CreteCote, Terrazzo, CreteStain, and RenoCrete) as well as concrete, metal, wood and natural stone.

Specifying

Mix part A and part B strictly in accordance to mixing instructions. Apply all sealers using a short-pile mohair roller. Apply one coat Cemcrete's Sealer Primer (moisture content: <5%, humidity-dependent), leave to dry overnight (addition of Sealer Primer is product dependent). Apply 2 coats **CreteSeal 2K Solvent-Based Sealer** (using airless spray / short pile mohair roller) with 5-12 hour drying time between coats (not exceeding 24 hours). Sand the surface very lightly between coats with 240 grit Abranet sanding paper and remove all dust prior to recoating. Allow 7 days for full cure.

Weather

- Do not apply if temperatures are below 10°C or exceeds 30°C.
- Do not apply to exterior surfaces if any form of precipitation (including rain, dew, snow, or condensation, etc) is expected within 12 hours of application.

Surface Preparation

Cemcrete decorative coating / overlays

Surface must be cured according to the applicable datasheet and have less than 5% moisture content (depending on the surrounding humidity). Surface must be dry, dust-free and laitance-free prior to sealer application.

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Newly laid standard screed / Cemcrete's Colour Hardener

Surface to be integrally sound (no cracks, crumbling, friability, hollowness, delamination), dry, smooth, level, dust-free, oil-free, laitance-free. New screeds and Cemcrete's Colour Hardener must to be cured for at least 21 days and have less than 5% moisture content (depending on the surrounding humidity), before sealing commences. Curing membranes and shutter release agents should be completely removed before the commencement of work.

Existing screed / slab surface

Moisture levels should be tested to ensure no underlying waterproofing issues exist. Substrate(s) should preferably be ground with a grinder to remove surface residues and to expose the true condition of the substrate. Surfaces should be hard (no crumbling or cracking, with good compressive strength). They should also be clean, free of contaminants, or laitance of any kind which may impair adhesion.

Masking

For best results, all windows, doors and adjacent surfaces (especially glass or aluminium), should be masked using painter's tape and brown paper to prevent soiling these surfaces during application. All masking material must be removed at the end of the day to avoid fraying the edges of the application, and to prevent plasticizer migration or sticky residue from the tape. Care should be taken when removing the tape to ensure no product is pulled away with it.

Mixing

Follow all mixing instructions carefully. Incorrect mixing may result in poor film formation, uneven finish, or tacky surfaces.

- Pre-stir both Part A and Part B in their separate containers, by hand using a paddle, before mixing together. Do not shake the containers, as this may cause aeration.
- Slowly add Part B into Part A, then mix by hand using a paddle mixer for at least 2 minutes until uniform.
- If using a matt version, stir thoroughly to fully re-disperse the matting agent settled at the bottom of the container.
- Strictly adhere to the supplied mix ratio of 4 parts Part A to 1 part Part B by volume, especially when mixing partial batches.
- Discard any leftover mixed material after use.

Application

- Apply two coats of **CreteSeal 2K Solvent-Based Sealer** using an airless spray or short-pile mohair roller, ensuring each coat is evenly applied without pooling.
- Maintain a wet edge throughout application, working in manageable sections to prevent uneven drying. Immediately after applying the sealer, while it is still wet, lightly back-roll the surface to:
 - Level the coating evenly
 - Remove bubbles or streaks
 - Ensure uniform texture and coverageThis technique significantly reduces the risk of lap lines, roller or squeegee marks, and other visible defects that may affect the final appearance. Avoid rolling back onto a drying surface.
- Allow the first coat to dry for 5 -12 hours before applying the second coat (must be applied within 24 hours).
- If the second coat is applied the following day, lightly sand the surface with 240-grit Abranet sanding paper, then remove all dust and apply next coat.
- Ensure good ventilation during both application and drying.

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Curing

- **CreteSeal 2K Solvent-Based Sealer** must be allowed to dry completely, typically 24 - 48 hours, before it is subjected to temperatures below 6°C or to water from any source, such as hoses, sprinklers, condensation, or rain, etc.
- To prevent dust contamination during curing, ensure all doors and windows remain closed after application.
- Avoid foot traffic during this time, as the sealer hasn't fully set and may be permanently marked.
 - It is suggested to avoid light foot traffic for 3 days after application, however the sealer only gains its full strength from 7 days onward.

Specimen Finish

A trial area should be treated on-site for the end-user approval and suitability.

Coverage

Approximately 7 to 8m² per litre per coat. Coverage is porosity and surface profile dependent. The initial coat will penetrate the surface, with subsequent coats requiring less sealer. Applying Cemcrete's Sealer Primer beforehand further optimizes coverage.

Maintenance

To keep your floors looking their best, regular maintenance is essential. To enhance protection and durability, apply two coats of Cemcrete's CreteCare Polish to newly sealed floors, serving as a sacrificial layer. Sweep away dirt and debris daily and remove spills immediately. For routine cleaning, use a damp (not wet) microfibre mop with Cemcrete's CreteCare Mop&Shine. Avoid harsh chemicals (no ammonia or bleach). Felt pads should be affixed to all furnishings, including rubber feet, to prevent scratching and possible plasticizer migration. Do not drag heavy objects across the floor. To reduce wear and tear, use floor mats (no rubber backing) in high traffic areas, and felt pads to all furnishings, including rubber feet, to prevent scratching and possible plasticization. When living with pets, use Cemcrete's maintenance products to assist in reducing scratches. See Cemcrete's CreteCare range for full maintenance guide. Floors may require stripping and resealing from time to time, depending on the end use, foot traffic and maintenance. Consult our technical team for further details.

Cleaning

Clean all application equipment with lacquer thinners or solvent-based cleaners.

Packaging

Supplied as a two component 5 litre kit.

Storage

Can be stored above 5°C in sealed steel drums for up to 6 months from the date of invoice. Mixed batches (part A & B) will gel and then set in the drum after about 4 hours, and should then be discarded.

Safety Warning

This product is lacquer-based and therefore highly flammable. Store away from heat and direct sunlight. Safety clothing should be worn. Only apply in well-ventilated areas, use a suitable organic filter mask and wear eye protection. Do not eat, drink or smoke while applying this product.

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Manufacturers of Distinctive Decorative Coatings

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Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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