

1. PRODUCT IDENTIFICATION

Product Name	Reveal Stone™ — Dark Ash
Product Category	Polished Concrete Topping — Decorative Overlay
Product Code	LCORE-RS-DA
Manufacturer	Levelcore Industries
Address	46 Buckingham Dr, Wangara WA 6065, Australia
Website	levelcore.com.au
Intended Use	High-performance indoor decorative polished concrete topping. Pre-blended powder with no aggregate particles. Delivers a Dark Ash finish directly without aggregate addition; customer-specified aggregate can be added where a coarser texture or different finish is required.
Pack Size	20 kg bag

2. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Powder (pre-blended cementitious)	Colour / Finish	Dark Ash
pH (mixed)	11.0 – 13.0	Odour	Faint cement; odourless when cured
Bulk Density	Approx. 1.4 – 1.6 kg/L	Flash Point	Not applicable (powder)
Silica Content	Yes — crystalline silica present (see Section 5)	Aggregate	Aggregate-free as supplied; customer aggregate can be added
Mix Requirement	Clean water only	Flow Cone Result	350 mm (without aggregate)

3. COMPOSITION / KEY INGREDIENTS

CAS No.	Chemical Name	Proportion
960375-09-1	Calcium Sulfoaluminate Cement	30 – 60%
14808-60-7	Silica Sand (Crystalline Silica)	30 – 70%
1317-65-3	Aggregate / Calcium Carbonate	10 – 20%
24937-78-8	VA/E Copolymer	1 – 5%

4. TECHNICAL DATA

Water Addition	4.2 L per 20 kg bag (21% of powder mass)	Mixing Time	2 – 3 minutes (mechanical paddle mixer)
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Reveal Stone™ — Dark Ash

MATERIALS DATA SHEET

LEVELCORE

PRECISION UNDERFOOT

Min. Thickness — Sealing	6 mm	Min. Thickness — Polishing	9.5 mm
Total Thickness Range	Without aggregate: 6 – 30 mm (max 30 mm recommended) With added aggregate: up to 50 mm	Min. Application Temp.	≥10°C (ambient and substrate)
Underfloor Heating	Switch off 48 hrs before; do not activate for 48 hrs after	Required Primer	PrimeShield (Levelcore) — mandatory on all substrates
Surface Profile Required	CSP 3 – 5 (concrete substrates)	Densification	Apply LithiShield™ during polishing sequence

5. SPECIFICATION SNAPSHOT (from levelcore.com.au)

System	Levelcore™ polishable cementitious topping	Typical Installed Thickness	10 – 15 mm (project specific; thicker builds available)
Finish Levels	Matte, satin, or high gloss	Colouring	Natural mineral / variant-specific
Detailing Options	Saw-cuts, borders, logos; optional decorative aggregate seeding	Slip Performance	Adjustable with finish profile and guard coat
UFH Compatible	Yes — confirm system and temperature limits	Maintenance	Dry dust mop + pH-neutral cleaner; periodic burnish/repolish as needed

6. HEALTH, SAFETY & REGULATORY SUMMARY

⚠️ **CRYSTALLINE SILICA:** Inhalation of respirable crystalline silica dust during mixing, grinding, or polishing is classified as a respiratory carcinogen (IARC Group 1). Use P2 respirator or better. Wet polishing preferred. Employer silica risk management plan required under WHS Regulations.

GHS Classification	Not classified as dangerous goods; crystalline silica present
Key Hazard	Crystalline silica inhalation; wet alkaline material skin contact
Dangerous Goods (ADG)	Not regulated
PPE — Respiratory	P2 dust mask minimum; half-face respirator for grinding/polishing
PPE — Skin	Chemical-resistant gloves; knee pads; long sleeves and trousers
PPE — Eyes	Safety glasses or face shield during mixing and mechanical operations
WHS Obligation	Silica Risk Management Plan required; refer to Safe Work Australia guidance
Disposal	Cured material: inert construction waste. Wet waste: do not discharge to drains

7. STORAGE, SHELF LIFE & WARRANTY

Storage Conditions	Dry, well-ventilated; off ground; sealed bag; away from moisture
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PRECISION UNDERFOOT

Shelf Life	12 months from production date (sealed, undamaged packaging)
After Opening	Reseal immediately; use within project duration
Warranty	10-Year System Warranty eligible when installed by Levelcore Accredited Installer with full Levelcore system
Warranty Contact	warranty@levelcore.com.au 1800 717 398

★ 10-YEAR SYSTEM WARRANTY ELIGIBLE ★

This MDS summarises data from the Reveal Stone™ Dark Ash TDS, SDS, and levelcore.com.au. Always refer to the current TDS and SDS for full application and safety requirements. © 2025 Levelcore Industries.