

1. PRODUCT IDENTIFICATION

Product Name	Feather Pro™
Product Category	Self-Drying Feather-Coat Screed — Interior
Product Code	LCORE-FP-001
Manufacturer	Levelcore Industries
Address	46 Buckingham Dr, Wangara WA 6065, Australia
Website	levelcore.com.au
Intended Use	Premium cement-based self-drying levelling mortar for interior floor preparation. Used to smooth, fill, and level substrates prior to the installation of vinyl, carpet, ceramic tile, and timber floor coverings. Applies from feather-edge to 3 mm in a single pass.
Pack Sizes	15 kg bag, 20 kg bag

2. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Powder (cementitious)	Colour	Grey
pH (mixed, neat)	11.0 – 13.0	Odour	Faint cement; odourless when cured
Bulk Density	Approx. 1.3 – 1.5 kg/L	Flash Point	Not applicable (powder)
Silica Content	Yes — crystalline silica present (see Section 5)	Mix Type	Powder + clean water only
Set Technology	Self-drying matrix — chemically binds mix water	Cured State	Hard, smooth, impermeable mortar layer

3. COMPOSITION / KEY INGREDIENTS

CAS No.	Chemical Name	Proportion
960375-09-1	Calcium Sulfoaluminate Cement	30 – 60%
7778-18-9	Gypsum	10 – 20%
65997-15-1	Portland Cement	10 – 20%
14808-60-7	Quartz Sand (Crystalline Silica)	20 – 35%
24937-78-8	VA/E Copolymer	1 – 5%
9032-42-2	Cellulose Ether	0.1 – 0.5%
25133-97-5	Polycarboxylate Superplasticizer	0.1 – 0.5%

4. TECHNICAL DATA

Mixing Ratio	~5.5 L water per 20 kg bag	Pot Life at 20°C	~30 minutes
Application Thickness	Feather edge to 3 mm (single pass)	Coverage Rate	Approx. 1.5 kg/m ² per 1 mm thickness
Ready to Walk On	1 – 2 hours (under normal conditions)	Install Floor Covering After	12 – 24 hours (conditions dependent)
Min. Substrate Temp.	10°C throughout application and drying	Primer Required	No — on most porous substrates (see TDS for exceptions)
Compatible Substrates	Concrete, wood, ceramic tile, quarry tile (interior)	Compatible Finishes	Vinyl (sheet/tile/plank), carpet, ceramic tile

5. HEALTH, SAFETY & REGULATORY SUMMARY

⚠️ **CRYSTALLINE SILICA:** This product contains quartz sand. Inhalation of respirable crystalline silica dust during mixing or clean-up may cause silicosis and is classified as a respiratory carcinogen (IARC Group 1). Use P2 dust mask or respirator. Wet methods preferred.

GHS Classification	Not classified as dangerous goods; crystalline silica present — respiratory hazard
Key Hazard	Crystalline silica inhalation during mixing/grinding (see SDS for full detail)
Dangerous Goods (ADG)	Not regulated
PPE — Respiratory	P2 dust mask minimum; half-face respirator for prolonged mixing
PPE — Skin	Chemical-resistant gloves; long sleeves; avoid wet cement contact
PPE — Eyes	Safety glasses; face shield during mixing
First Aid — Skin	Remove clothing; wash all skin areas with soap and water
First Aid — Eyes	Flush with water ≥15 min; seek medical attention
Wet Cement Burns	Alkaline pH can cause chemical burns — do not allow prolonged skin contact

6. STORAGE, SHELF LIFE & WARRANTY

Storage Conditions	Dry, well-ventilated location; off ground; sealed bag; away from moisture
Max. Stack Height	6 bags
Shelf Life	12 months from production date in sealed, undamaged packaging
After Opening	Reseal immediately; use within 48 hours
Warranty	10-Year System Warranty eligible when installed by Levelcore Accredited Installer
Warranty Contact	warranty@levelcore.com.au 1800 717 398

★ 10-YEAR SYSTEM WARRANTY ELIGIBLE ★

Feather Pro™

MATERIALS DATA SHEET

LEVELCORE

PRECISION UNDERFOOT

*This MDS summarises data from the Feather Pro™ TDS, SDS, and levelcore.com.au. Always refer to the current TDS and SDS for full application and safety requirements.
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