

PrimeShield Concentrate

MATERIALS DATA SHEET

LEVELCORE

PRECISION UNDERFOOT

1. PRODUCT IDENTIFICATION

Product Name	PrimeShield Concentrate
Product Category	Moisture Barrier / Primer — Interior (Concentrated)
Product Code	LCORE-PSC-001
Manufacturer	Levelcore Industries
Address	46 Buckingham Dr, Wangara WA 6065, Australia
Website	levelcore.com.au
Intended Use	Concentrated acrylic moisture barrier and primer. Must be diluted before use per Levelcore specification. Provides the same moisture control, adhesion, and substrate consolidation function as standard PrimeShield at a higher solids concentration.
Important	Dilute before use. Do not apply undiluted to substrates.

2. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Viscous liquid (latex emulsion, concentrated)	Colour	Blue (deeper than standard PrimeShield)
Base Chemistry	High-solids acrylic copolymer, water-based	pH	5.0 – 6.0
Solids Content	40 – 60% acrylic latex (vs 25 – 35% in standard grade)	Flash Point	Not applicable (water-based)
Flammability	Non-flammable	Mix Requirement	Dilute per specification before application
Odour	Mild acrylic in concentrate; odourless when dry	Solubility	Miscible with water (uncured); insoluble when dried

3. COMPOSITION / KEY INGREDIENTS

CAS No.	Chemical Name	Proportion
7732-18-5	Water	40 – 60%
25067-01-0	Acrylic Latex	40 – 60%
2682-20-4	2-Methyl-4-isothiazolin-3-one (MIT)	0.1 – 0.5%
N/A	Other non-hazardous processing aids	To 100%

4. APPLICATION SUMMARY

PrimeShield Concentrate

MATERIALS DATA SHEET

LEVELCORE

PRECISION UNDERFOOT

Dilution Requirement	Dilute per Levelcore product specification before use	Application Method	Brush, roller, or airless spray (after dilution)
Temperature Limits	Do not apply below +5°C or above +30°C	Performance After Dilution	Equivalent to standard PrimeShield at working strength
Compatible Substrates	Same as PrimeShield — refer to TDS	Moisture Limits	Cement screed ≤4%; anhydrite/gypsum ≤0.5%
Use Zone	Interior only — must be overcoated with approved system	Caution	Higher polymer/MIT concentration; use chemical-resistant gloves when handling concentrate

5. HEALTH, SAFETY & REGULATORY SUMMARY

⚠ The concentrate has a higher MIT content than standard PrimeShield. Chemical-resistant gloves are mandatory when handling undiluted product. Higher skin sensitisation potential in concentrate form.

GHS Classification	Not classified as hazardous
Key Hazard Note	MIT sensitisation risk is elevated in concentrate form; gloves essential
Dangerous Goods (ADG)	Not regulated
PPE — Eyes	Chemical splash goggles when transferring or diluting concentrate
PPE — Hands	Chemical-resistant (nitrile) gloves — mandatory for undiluted product
First Aid — Eyes	Flush with clean water ≥15 min; seek medical advice promptly
First Aid — Skin	Wash immediately with soap and water; remove contaminated clothing
Disposal	Arrange collection by licensed liquid waste contractor for concentrate quantities

6. STORAGE, SHELF LIFE & WARRANTY

Storage Temperature	5°C – 35°C; protect from freezing (frozen product is permanently unusable)
Storage Conditions	Original sealed container; cool, dry location away from acids and heat
Shelf Life	12 months from manufacture date (sealed, unopened)
Warranty	10-Year System Warranty eligible when installed by Levelcore Accredited Installer to specification
Warranty Contact	warranty@levelcore.com.au 1800 717 398

★ 10-YEAR SYSTEM WARRANTY ELIGIBLE ★

This MDS summarises data from the PrimeShield Concentrate SDS and Levelcore product specification. Always refer to current documents for dilution ratios, application guidance, and full safety data. © 2025 Levelcore Industries.