

TECHNICAL DATA SHEET

DESCRIPTION

LEVELMAX ProFlow is a high-performance, cement-based self-levelling compound engineered to correct uneven substrates and create a smooth, durable base for floor coverings. It is designed to prepare new or existing floors that require excellent compressive strength, surface uniformity, and long-term stability.

FEATURES AND BENEFITS

- High-flow, smooth self-levelling finish
- Ready for floor coverings in 12 hours
- Strong compressive strength (CT-C25-F6)
- Low shrinkage, no cracking or surface defects
- Consistent bag weight and low-dust formula
- Works with underfloor heating
- Suitable under tiles, vinyl, timber, carpet
- Suitable for 1 to 40 mm application thickness

RECOMMENDED USES

- Internal and external floors (depending on site conditions and waterproofing requirements)
- New builds and refurbishments
- Concrete slabs and screeds
- Over existing tiles
- Ideal under tiles, vinyl, timber and carpet

LIMITATIONS

- Do NOT apply when ambient or substrate temperatures are below +5°C or above +35°C.
- Do NOT add extra water to re-temper the mix once it begins to set.
- Do NOT modify the product by adding cement, lime, gypsum, or other additives.
- Do NOT install over substrates affected by rising damp or moisture imbalance.
- This product is not a final wearing surface and must be covered with a suitable floor finish.

SURFACE PREPARATION

All substrates must be clean, sound, dry and structurally solid.

They must be free from dust, oil, grease, wax, paint, curing compounds, laitance and adhesive residues.

Substrates must be mechanically prepared (shot blasting, grinding or scarifying) to achieve minimum CSP #3.

They must comply with AS 1884 moisture requirements ($\leq 75\%$ RH, ASTM F2170) and be free from rising damp.

Vacuum the surface thoroughly with an industrial HEPA vacuum before priming.



PRIMING AND RECOMMENDED SYSTEM

Prime all substrates with a suitable acrylic primer approved for use with cement-based self-levelling compounds.

For best performance, use LevelMax **Primer X**.

Compatible third-party primers may also be used, provided they meet industry standards and are applied according to the manufacturer's instructions.

If the first primer coat has fully dried, apply an additional coat before levelling.

MIXING

Pour 4.8 litres of clean, cool water into a clean mixing bucket.

While mixing at low speed (300 RPM), slowly add one 20kg bag of ProFlow.

Mix for 2 to 3 minutes using a suitable electric paddle mixer until a smooth, homogeneous, lump-free mixture is achieved.

Allow the mix to stand for 2 minutes, then remix briefly before application.

Only prepare as much material as can be applied within its 20 to 30 minute working time at +23°C. Higher temperatures will shorten working time.

Do NOT:

- add extra water after mixing (no re-tempering)
- mix by hand
- use concrete or mortar mixers
- exceed the recommended water ratio

Large batches may be prepared in approved on-site mixing pumps.

CONSUMPTION AND COVERAGE

Typical consumption is 1.65 kg/m² per mm thickness.

Approximate coverage per 20 kg bag:

5 mm thickness: ~2.4 m²

10 mm thickness: ~1.2 m²

20 mm thickness: ~0.6 m²

30 mm thickness: ~0.4 m²

40 mm thickness: ~0.3 m²

PACKAGING

20 kg bags.

SHELF LIFE AND STORAGE

12 months in original unopened packaging.

Store in a dry, elevated area protected from moisture.

CLEANING

Clean tools with water immediately after use.



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In compliance with:
- EN 13813 - CT-C25-F6

PRODUCT IDENTITY	1-40mm
Consistency	Fine Powder
Colour	Grey
Bulk Density	1350 kg/m ³
Dry Solids Content	100%
APPLICATION DATA (at +23°C - 50%R.H.)	
Mixing Ratio	4.8L clean water per 20kg bag
Thickness Per Coat	from 1-40mm
Self-levelling	yes
Density of the Mix	2000 kg/m ³
pH of Mix	approx. 12
Application Temperature Range	from +5°C to +35°C
Pot Life	20-30 minutes
Setting Time	60-90 minutes
Set to Light Foot Traffic	3 hours
Waiting Time Before Subsequent Bonding	18-24 hours
FINAL PERFORMANCE DATA	
Compressive Strength (N/mm ²)	
-after 1 day	>10
-after 3 days	>15
-after 7 days	>20
-after 28 days	>25
Flexural Strength (MPa)	
-after 1 day	3.3
-after 3 days	4.0
-after 7 days	4.5
-after 28 days	6.5

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Refer to the SDS for detailed safety information.

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet available from our website:

www.levelmax.com.au

Product for professional use.

WARRANTY

You can download the product warranty document from our website:

www.levelmax.com.au