

## 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.

ProFlow delivers exceptional flowability, a refined finish, and rapid-setting performance, making it ideal for a wide range of concrete, screed, and suitably prepared substrates in modern construction projects.

### FEATURES AND BENEFITS

- High-flow, smooth self-levelling finish
- Ready for floor coverings from 24 hours\* Based on normal conditions (23°C / 50% R.H.)
- Strong compressive strength (CT-C30-F6)
- Low shrinkage
- Consistent bag weight & low-dust formula
- Works with underfloor heating
- Suitable under tiles, vinyl, timber, carpet and epoxy coatings
- Suitable for 1–40 mm application thickness

### RECOMMENDED USES

- For internal floors and protected external applications as a covered levelling layer.  
Not for use as an exposed final wearing surface or on external driveways.
- New builds and refurbishments
- Concrete slabs and screeds
- Over suitably prepared existing ceramic tiles
- Reinforced, securely fixed timber substrates, prepared and primed as specified in this data sheet  
Ideal under tiles, vinyl, timber, carpet and epoxy coatings (domestic single-car garages, balconies, gyms)

### 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.
- Do NOT apply over flexible, loose, wet, unstable, or movement-prone timber substrates.
- Do NOT apply until the primer is uniform, continuous and completely dry.
- This product is not a final wearing surface and must be covered with a suitable floor finish.

### SURFACE PREPARATION

Clean, sound, dry and structurally solid

Free from dust, oil, grease, wax, paint, curing compounds, laitance and adhesive residues

Mechanically prepared (shot blasting, grinding or scarifying) to achieve minimum CSP #3

Compliant with AS 1884 moisture requirements, maximum 75% RH, ASTM F2170

Free from rising damp. A suitable moisture barrier is recommended before priming.

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



## UNDERFLOOR HEATING

Suitable for compatible underfloor heating systems. Maintain a minimum 5 mm ProFlow cover above the highest point of heating pipes or elements. The heating system must be switched off during application and curing and recommissioned gradually in accordance with the system manufacturer's instructions.

## 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 Concentrate**.

For timber substrates, use LEVELMAX **Primer X Timber** or an approved timber primer system.

For existing tiles or protected external areas, use a primer suitable for that substrate and exposure.

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

Apply 1–2 primer coats depending on substrate absorbency; apply the second coat once the first has dried.

## MIXING

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

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

Mix for 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 20–30 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.

After application, keep doors and windows closed and protect from draughts and direct sunlight for 24 hours.

## CONSUMPTION AND COVERAGE

Typical consumption: 1.65 kg/m<sup>2</sup> per mm thickness

Approximate coverage per 20 kg bag

5 mm thickness: ~2.4 m<sup>2</sup>

10 mm thickness: ~1.2 m<sup>2</sup>

20 mm thickness: ~0.6 m<sup>2</sup>

30 mm thickness: ~0.4 m<sup>2</sup>

40 mm thickness: ~0.3 m<sup>2</sup>

Coverage figures are approximate and depend on substrate profile and wastage.

## PACKAGING, SHELF LIFE AND STORAGE

20 kg bags.

12 months in original unopened packaging.

Store in a dry, elevated area protected from moisture.

## CLEANING

Clean tools with water immediately after use.



## TECHNICAL DATA SHEET

In compliance with:  
- EN 13813 - CT-C30-F6

| PRODUCT IDENTITY              | 1–40 mm                                     |
|-------------------------------|---------------------------------------------|
| Consistency                   | Fine Powder                                 |
| Colour                        | Grey                                        |
| Bulk Density                  | 1350 kg/m <sup>3</sup>                      |
| Dry Solids Content            | 100%                                        |
| APPLICATION DATA              | (at +23°C and 50% R.H.)                     |
| Mixing Ratio                  | 4.8 L clean water per 20 kg bag             |
| Application Thickness         | 1–40 mm                                     |
| Self-levelling                | Yes                                         |
| Density of the Mix            | 2000 kg/m <sup>3</sup>                      |
| pH of Mix                     | Approx. 12                                  |
| Application Temperature Range | from +5°C to +35°C                          |
| Working Time                  | 20–30 minutes                               |
| Setting Time                  | 60–90 minutes                               |
| Set to Light Foot Traffic     | 3 hours                                     |
| Ready for Floor Coverings     | from 24 hours, depending on site conditions |
| FINAL PERFORMANCE DATA        | (at +23°C and 50% R.H.)                     |
| Compressive Strength (MPa)    |                                             |
| -after 1 day                  | >15                                         |
| -after 3 days                 | >20                                         |
| -after 7 days                 | >25                                         |
| -after 28 days                | >30                                         |
| Flexural Strength (MPa)       |                                             |
| -after 1 day                  | >4.0                                        |
| -after 3 days                 | >4.5                                        |
| -after 7 days                 | >5.5                                        |
| -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](http://www.levelmax.com.au)**

Product for professional use.



## DISCLAIMER AND LIMITATION OF LIABILITY

The information in this Technical Data Sheet is based on laboratory testing and practical experience and is intended as a general guide only. As site conditions, substrate quality and application methods are beyond our control, LevelMax Australia cannot guarantee performance for every application. Users should carry out preliminary tests to verify suitability.

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