CEMENT-BASED TILE ADHESIVE

LIVO-SET

Type 2T Tile Adhesive

For interior floor and wall tile fixing

LIVO-SET is a cement-based tile adhesive for fixing ceramic and vitrified tiles on suitable cement-based surfaces. It is intended for interior floors and walls, including domestic wet areas, and is formulated to give reliable adhesion with reduced slip during tile installation.

INDIAN STANDARD	EUROPEAN STANDARD
IS 15477:2019	**EN 12004**
Type 2T	**Class C2T**

Classifications are design targets for the final formulation. See page 2.



LIVO-SET · 20 kg bag

KEY FEATURES

01 **Improved bonding**
Improved bonding performance for suitable ceramic and vitrified tiles.

02 **Reduced slip**
Reduced slip for vertical tile applications.

03 **Floors, walls and wet areas**
Suitable for interior floors, walls and wet-area installations.

04 **Professional fixing**
For professional tile fixing on properly prepared cement-based substrates.

RECOMMENDED APPLICATIONS

APPLICATION	TILE TYPE	MAXIMUM TILE SIZE	CONDITIONS
Interior floors	Ceramic and vitrified	6 ft × 4 ft (≈ 1800 × 1200 mm)	Subject to substrate and installation conditions.
Interior walls	Ceramic and vitrified	4 ft × 2 ft (≈ 1200 × 600 mm)	Subject to tile weight and suitable support.
Interior wet areas	Ceramic and vitrified	As for floors and walls	Substrate to be properly waterproofed where required.

TECHNICAL PERFORMANCE

A. Indian Standard — IS 15477:2019, Type 2T

TEST PROPERTY	REQUIRED VALUE	LIVO-SET TARGET
Tensile adhesion — dry condition	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Tensile adhesion — wet condition	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Shear adhesion — dry condition	≥ 1.25 N/mm²	**≥ 1.25 N/mm²**
Shear adhesion — wet condition	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Shear adhesion — heat ageing	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Slip resistance (T)	≤ 0.5 mm	**≤ 0.5 mm**

B. European Standard — EN 12004, C2T

TEST PROPERTY	C2 REQUIREMENT	LIVO-SET TARGET
Initial tensile adhesion strength	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Tensile adhesion after water immersion	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Tensile adhesion after heat ageing	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Tensile adhesion after freeze–thaw cycles	≥ 1.0 N/mm²	**≥ 1.0 N/mm²**
Open-time adhesion	≥ 0.5 N/mm² after ≥ 20 min	**≥ 0.5 N/mm² after ≥ 20 min**
Slip resistance (T)	≤ 0.5 mm	**≤ 0.5 mm**

C2 = improved cementitious adhesive. T = reduced slip. C2T does not include the extended open-time class (E).

Note on values. The figures above are the minimum requirements of each classification and the LIVO-SET design targets. They are not measured test results. Measured results will be added once the final formulation has been tested.

APPLICATION DATA

Product form	Dry powder
Base	Cement-based, polymer-modified formulation
Colour	Grey
Mixing water	4–5 litres of water per 20 kg bag
Pot life	Approx. 120 minutes
Open time	Minimum 20 minutes
Adjustability	Approx. 35 minutes
Thickness / coverage	Depends on the substrate, tile back profile and trowel notch. Confirm by site trial.
Pack size	20 kg bag

SURFACE PREPARATION

- The surface must be sound, firm, clean, cured and reasonably level. Do not apply over weak, moving or contaminated surfaces.
- Remove dust, oil, paint, loose particles and anything else that may affect bonding.
- Repair cracks and surface defects before tiling. Do not use the adhesive to correct major unevenness.
- Cement-based substrates must be adequately cured and free from standing water. Dampen highly absorbent surfaces lightly if required, leaving no water on the surface.
- Provide movement joints as the project design requires and continue them through the tile finish. Do not bridge them with adhesive.
- For existing tiles or special substrates, confirm suitability with the LIVORA technical team before application.

MIXING AND APPLICATION

1. **Measure.** Add the approved quantity of clean water to a clean mixing container.
2. **Mix.** Add the powder gradually, mixing with a low-speed mechanical mixer to a smooth, lump-free paste.
3. **Rest and remix.** Let the mix stand for the specified maturation time, then remix briefly. Do not add water once it begins to set.
4. **Apply.** Spread with the flat side of a notched trowel, then comb in one direction using the correct notch size.
5. **Fix tiles.** Place each tile within the verified open time and press firmly. Back-butter large-format tiles where required to reach the required contact coverage.
6. **Check coverage.** Lift a tile periodically to check adhesive transfer. Avoid voids, especially in wet areas and under larger tiles.

IMPORTANT NOTES

- Protect freshly installed tiles from water, vibration, impact and heavy traffic during the initial curing period.
- Tile adhesive is not a waterproofing membrane. Use suitable waterproofing in wet areas where the project design requires it.
- Obtain technical approval before use on unusual substrates, in exterior or submerged areas, with natural stone, or outside the stated tile sizes.

STORAGE & SHELF LIFE

Store unopened bags in a dry, covered place, raised off the floor and protected from moisture. Use within the shelf life, counted from the batch date printed on the pack.

Shelf life: 12 months from the batch date.

HEALTH & SAFETY

Cement-based products may irritate skin and eyes. Wear gloves, protective clothing and eye protection while handling and mixing. Avoid breathing dust. If it gets in the eyes, rinse carefully with clean water and seek medical advice if irritation continues. Keep out of reach of children. See the Safety Data Sheet for full information.

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Information in this data sheet is given in good faith, for guidance only. Site conditions vary; for work outside the stated applications, consult the LIVORA technical team. Always use the latest revision.