



POLY LEVELING 3500- CEMENT BASED SELF-LEVELING FLOOR COMPOUND

DESCRIPTION :

POLY LEVELING 3500 is a flowable, self-smoothing cementitious floor leveling compound that provides a smooth, flat and high-strength surface. It is designed for use before installation of ceramic tiles, PVC, parquet, epoxy coatings and other floor finishes.

ADVANTAGE:

- Excellent flow and self-smoothing properties.
- High bond strength.
- Fast setting.
- Pumpable.
- Suitable for underfloor heating systems.
- Low shrinkage.
- Smooth surface finish.

AREA OF USE :

- For indoor areas, on horizontal surfaces.
- In hospitals and shops.
- In school and administrative buildings.
- In hotels and apartment buildings.
- In shopping centers.
- For leveling and correcting rough and uneven concrete surfaces,
- Used for leveling uneven screeds before bonding ceramic, marble, natural stone, parquet, carpet and PVC floor coverings.

SURFACE PREPARATION :

- The substrate must be structurally sound, clean, dry and free from dust, laitance, grease, oil, curing compounds or any contaminants that may reduce adhesion.
- Concrete substrate minimum strength: ≥ 25 MPa
- Surface tensile strength: ≥ 1.0 MPa
- Residual moisture content (cement screed): $\leq 4\%$
- Remove weak layers by grinding or shot blasting.
- Repair cracks and voids with suitable repair mortar prior to application.
- Highly absorbent surfaces must be primed with acrylic primer diluted according to manufacturer recommendations.
- Non-absorbent substrates (ceramic tiles, old coatings) require suitable bonding primer.
- Allow primer to dry before application.

STORAGE AND SHELF LIFE :

Must be stored at temperatures between $+5^{\circ}\text{C}$ and $+35^{\circ}\text{C}$. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

MIXTURE PREPARATION :

- Mix 25 kg of POLY LEVELING 3500 with 5.5 – 6.0 liters of clean water using a low-speed electric mixer (400–600 rpm) for approximately 2–3 minutes until a lump-free, homogeneous consistency is achieved.
- Allow mixture to rest for 2 minutes and remix briefly before application.
- Do not exceed recommended water dosage.
- Do not add cement, sand or other additives.

APPLICATION :

- Pour the mixed material onto the prepared and primed surface.
- Spread evenly using a gauge rake to the required thickness (2–10 mm).
- Immediately roll with a spiked roller to eliminate entrapped air and ensure proper leveling.
- Work continuously to avoid cold joints.
- For large areas, pump application is recommended.

PACKING :

25 kg craft bags.

PRECAUTION IN APPLICATION:

- Do not apply below $+5^{\circ}\text{C}$ or above $+30^{\circ}\text{C}$.
- Do not apply on frozen substrates or under risk of frost within 24 hours.
- Protect freshly applied surface from direct sunlight, strong wind and rapid drying.
- Do not exceed the recommended water ratio. Excess water reduces strength and may cause segregation or cracking.
- Do not re-temper the mix with additional water after initial setting has started.
- Do not mix with cement, sand or other additives.
- Ensure substrate moisture content is within acceptable limits before application.
- Apply only on structurally sound and properly prepared substrates.
- Avoid application in areas exposed to permanent moisture unless suitable waterproofing is applied.
- Respect expansion joints; do not cover structural movement joints.
- Use appropriate primer depending on substrate type and absorbency.
- For large areas, ensure continuous application to avoid cold joints.
- Mechanical ventilation is recommended in closed areas.



SECURITY INFORMATION :

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

STANDARDS :

EN 13813 / CT-C20-F4-AR1Resistance

CONSUMPTION :

Approx. 1.5 – 1.7 kg/m² per mm thickness.



TECHNICAL PROPERTIES:

Appearance	Grey Powder	-
Pot Life	30 Minutes	-
Application	Between +5°C and +35°C	-
Temperature		
Mixing Ratio	5.5 -6 L water / 25 kg powder	-
Application	2 – 10 mm (single layer)	-
Thickness		
Consumption	1.5 – 1.7 kg/m ² per mm thickness	-

PERFORMANCE :

Compressive Strength (28 days)	≥ 25 N/mm ²	EN 13892-2
Flexural Strength (28 days)	≥ 5 N/mm ²	EN 13892-2
Adhesive Strength (28 days)	≥ 1 N/mm ²	EN 13892-8
Abrasion Resistance	AR1	EN 13892-3
Flow Diameter	130 – 150 mm	EN 12706
Chloride Ion Content	≤ 0.05 %	EN 1015-17
Reaction to Fire	A1	EN 13501-1

Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

