

PRIMER SLV 10-30MM

Medium-Thickness, High-Strength Self-Levelling Underlayment

APPLICATION THICKNESS: 10 mm – 30 mm (40 mm possible in specific applications)

BASE: Cementitious, Polymer-Modified



PRODUCT DESCRIPTION

PRIMER SLV 10-30mm is a one-component, cement-based, and polymer-modified self-levelling compound. Formulated for interior applications requiring a thicker pour, it combines high flowability with high early and final strength. It is designed to correct more significant substrate deviations and create a solid, level base for all types of floor finishes, including in commercial and light industrial settings.

INTENDED USES

- Levelling and correcting uneven substrates with deeper deviations (e.g., wavy concrete slabs, uneven screeds).
- Creating flat surfaces for all floor coverings, including heavy-duty finishes like ceramic and stone tiles.
- Applications in residential, commercial, and light industrial buildings (e.g., retail spaces, offices, warehouses).
- Can be used to encapsulate certain existing floor surfaces (subject to project-specific assessment).
- Building up floor levels to a specific height.

TECHNICAL DATA

The following data represents typical values based on standardized European test methods.

Property	Test Standard	Typical Value / Result
Consistency/Flow Diameter	EN 13318, EN 13813	≥ 255 mm
Application Thickness	-	10 mm – 30 mm (recommended); up to 40 mm locally
Compressive Strength	EN 13892-2	≥ 30 MPa (28 days)
Flexural Strength	EN 13892-2	≥ 8 MPa (28 days)
Wear Resistance (BCA)	EN 13892-5	≤ 0.25 cm ³ /50cm ²
Bond Strength (Tensile)	EN 13892-8	> 1.8 MPa (to concrete)
Modulus of Elasticity	EN 13813/EN 16399	~ 15,000 MPa



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Typical Product Properties

Property	Test Standard	Typical Value / Result
Drying Time (to moisture < 2% CM)	EN 13813 / EN 16399	~ 1 day per mm up to 10mm, then ~1.5 days per mm thereafter.* e.g., ~15-20 days for a 15mm layer (at +20°C, 65% RH)
Open Time/Workable Time	-	Approx. 20-25 minutes (at +20°C)
Walkable Time	-	Approx. 4-6 hours (at +20°C)
Application Temperature	-	Substrate and ambient: +5°C to +30°C
Bulk Density (Mixed)	-	~1.65 kg/l
Packaging	-	25 kg paper bags
Shelf Life	-	12 months in original, undamaged packaging, stored dry

*Drying time is the most critical difference from thin products. It increases significantly with thickness. Always verify moisture content (e.g., with CM meter) before installing moisture-sensitive coverings.

SUBSTRATE PREPARATION

- **Structural Integrity:** The substrate must be structurally sound, clean, and free from dust, grease, oil, laitance, and loose particles.
- **Moisture:** Check substrate moisture. For anhydrite screeds, ensure they are fully cured and dry. The moisture content should not exceed the manufacturer's recommendations.
- **Absorption:** Porous substrates must be pre-wetted to a Saturated Surface Dry (SSD) condition to prevent rapid dewatering of the mix.
- **Priming:** Priming is mandatory. Apply a uniform, puddle-free coat of a suitable, acrylic primer (PRIMER TA). The primer must be fully cured (tack-free) before application. This ensures bond and prevents air bubble formation.
- **Expansion Joints:** Existing movement and expansion joints in the substrate must be preserved and carried through the leveling compound.

MIXING AND APPLICATION

1. **Mixing Water:** Use clean, potable water. Adhere strictly to the manufacturer's specified water quantity (typically ~4.5 - 5.0 liters per 25 kg bag for this thickness range). **Deviating from the water/powder ratio will compromise strength, shrinkage, and drying.**
2. **Mixing:** Add the powder to the water. Use a high-shear, slow-speed mechanical mixer (approx. 500-700 rpm) for 2-3 minutes until a smooth, homogeneous slurry is achieved. Let it rest (slake) for 3 minutes, then remix for 1 minute.
3. **Pouring:** Pour the mixture onto the primed substrate. For larger areas, pour in parallel strips. The material should flow and merge seamlessly.
4. **Spreading:** Use a spiked roller with a long spike length (**8-12 mm**) to assist flow, release entrapped air, and ensure a consistent thickness. Work efficiently to maintain a "wet edge" and pour new batches within the open time.



For any Further Technical Information including SDS, CE labels and Certificates of conformity don't hesitate to contact our QA/QC Department.
We remain at your disposal.

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AFTERCARE & CURING

- Protect the freshly applied surface from drafts, direct sunlight, and rapid drying. Closing windows and doors for the first 24 hours is often recommended.
- **Do not force-dry with heaters**, as this causes rapid surface drying, leading to curling and cracking.
- The underlayment must be fully cured and dried to the required moisture level for the final floor covering. This process takes significantly longer than for thin-layer products.

HEALTH, SAFETY & ENVIRONMENT

- **Safety:** Wear suitable protective gloves, clothing, and safety glasses. Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water. Use dust masks when handling powder.
- **Disposal:** Dispose of empty bags and waste material in accordance with local regulations. Do not allow hardened material to enter drains or watercourses.

LIMITATIONS

- Not for exterior use or areas permanently wet.
- Not suitable for applications below +5°C or above +30°C.
- Not designed as a final wearing surface.
- Not intended for featheredge applications (< 5 mm).
- Not recommended over flexible substrates (e.g., wooden floors) without a suitable, rigid, and bonded separation layer.

Disclaimer: This TDS is a generic example based on European standards (EN 13813, EN 13318, etc.) and typical product performance for this category. The data provided is for informational purposes only. **Always consult and follow the specific manufacturer's data sheet and instructions for the product you are using prior to application.**

For specific project advice, especially regarding drying times and substrate suitability, please contact your technical sales representative or the product manufacturer directly.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

The user of the product must test the product's suitability for the intended application and purpose. Primer Cy LTD reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations.

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