

PRODUCT DESCRIPTION

Pleko Screed SL30 is a cement based, flooring screed designed for leveling and screeding onto in-situ concrete slab or precast concrete floors. It is pumpable, self-smoothing and shrinkage compensated and provides excellent workability. It is composed of hydraulic binders, selected aggregates, fibers, and special chemical additives. It is easy to use by just adding water, improving on-site quality control.

USES

To level and rectify uneven or damaged surfaces and create an even surface for various flooring systems; to create slope for drainage. Can be used as a bonded screed, unbonded screed or as a floating screed on insulation.

APPROVED SUBSTRATES

In-situ concrete slab and floors; hollow-core precast concrete floors units; any other concrete structural elements. Can also be used over damp proof membranes, or acoustic and thermal insulation materials.

PACKAGING

25 or 50 kg in multiply paper bag or 1-1.5Ton in jumbo bag

COVERAGE

13-15 m²/ton @ 40mm.

Recommended thickness between 30-60 mm for bonded, 50-90mm for unbonded, and 65-100mm for floating. Manufacturer does not warrant square meter coverage, which can vary greatly according to application techniques.

PROPERTIES

- **Easy to use**
- **Pumpable**
- **Self-Smoothing**
- **Shrinkage Compensated**
- **Factory Controlled Quality**

TECHNICAL DATA

Appearance	Free-flowing Grayish powder
Aggregate Size	Up to 2mm
Bulk Density (Kg/L ± 0.5)	1.7
Water Demand (%)	18 - 20
Pot Life (min)	30-45
Compressive Strength* (N/mm ²)	≥30
Flexural Strength* (N/mm ²)	≥3

*after 28 days

INSTALLATION

SUBSTRATE PREPARATION

Surface must be sound, clean, dry, free of bond-inhibiting materials such as paint, grease, oil, efflorescence, form release agents and curing compounds... Loose or hollow portions should be removed by mechanical treatment.

Install at least 1cm of thick compressible material as perimeter joint around walls and pillars. Floor slab joints must be respected.

Bonded Screed: to improve screed bonding strength surface must be prepared with a bonding slurry: mix of cement, water and a bonding aid from the PlekoBond line, refer to TDS for mixing ratios. For floors subjected to high mechanical stress an epoxy bonding agent is recommended.

Unbonded Screed: substrate should be covered by polyethylene, polyurethane, PVC sheets.... overlapping at least 25cm and folded upward to cover at least 10cm of walls and pillars.

Floating Screed: substrate should be smooth and level enough to install rigid or semi-rigid insulation boards without creating wide voids (voids must be filled with mortar or screed)

MIXING

Use a clean container free of all foreign substances for preparing and mixing material. Use a heavy duty electric drill and mixing paddle. Add in small increments while mixing thoroughly to achieve lump-free consistency. Avoid working excessively to prevent air entrapment. Small amount of clean water may be added if necessary to improve workability, but do not add water once the mixed material starts to harden.

APPLICATION

Pour mixed Pleko Screed SL30 on prepared surface and spread to the desired thickness (30 to 100 mm) using steel trowel or appropriate tools. If needed float to achieve required surface profile. Cover the screed with Plastic sheet to avoid drying.

CURING

Pleko Screed SL30 should be cured by spraying clean potable water every 8-12hrs for a minimum of 3 days; in hot & dry conditions minimum 5 days to minimize the risk of surface cracks.

Do not subject the screed to vehicular traffic before full curing which is 28 days.

LIMITATIONS

Apply only to unfrozen surfaces above 4 °C (40°F). Maintain minimum 4 °C (40°F) ambient temperature for 24 hours after application. Protect from direct sunlight, wind and rain during application

Do not mix with any additive or product unless recommended by Pleko.

Pleko bears no responsibility for the defects due to the improper or non-recommended use of the product.

CLEANING

While still fresh, soluble in water. Clean all equipment with water immediately after use. After hardening, tools should be cleaned mechanically.

STORAGE

Store in cool, dry, well-ventilated area, protected from freeze, heat and direct sunlight and at a temperature between 4°C (40°F) and 38°C (100°F), in tightly sealed original container off the ground. Storage time must not exceed one year.

HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust.

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention.

The product is non-flammable

Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. Technical data are generated under laboratory conditions, some variations are expected due to weather, site, and application conditions which are beyond the control of the manufacturer. We reserve the right to change any given specification without notice.