

REC TOP SL 1007

TWO PART SMOOTHENING/LEVELLING COMPOUND

DESCRIPTION

REC TOP SL 1007 is a two-component, cementitious, polymer-modified smoothing and levelling compound designed for internal and external use. When mixed, Part A (powder) and Part B (liquid polymer) form a stable, thixotropic mortar that produces a smooth, hard surface suitable for receiving tiles, resilient coverings, carpets, paint, epoxy and polyurethane coatings. It provides excellent adhesion to concrete, cement screeds and cement-based renders, and offers good crack-bridging performance at normal thicknesses.

PRIMARY APPLICATIONS

- Floor levelling and smoothing prior to floor finishes (tiles, vinyl, carpet, timber).
- Repair of depressed areas, feather edging and surface defects.
- Creating a smooth substrate for liquid membranes, toppings and decorative finishes.
- Suitable for use in commercial, industrial and residential projects.

FEATURES/BENEFITS

- **Two-component, controlled mix** — consistent performance and reliable curing.
- **Rapid drying / walkable** — reduces downtime on site.
- **High workability** — easy trowel application and pumpable formulation.
- **Excellent adhesion** — bonds to common cementitious substrates without primer in many cases.
- **Low shrinkage** — minimizes surface cracking and curling.
- **Good mechanical strength** — suitable as a substrate for many finishes.
- **Water-resistant when cured** — improved durability in damp environments.
- **Low VOC** — suitable for indoor use.

TECHNICAL INFORMATION

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
PART A	
Consistency:	Fine powder
Colour:	cement grey
Dry solids content (%)	100
Bulk density (kg/m ³)	1400
Flammable	no
PART B	
Consistency	runny liquid
Color	white
Dry solids content (%)	9
Bulk density (kg/m ³)	1.05
Flammable	no
EMICODE	EC1 Plus - very low emission
COMPOSITION AND PROPERTIES OF THE MIXTURE	
Mixing ratio	5 kg of REC TOP SL 1007 liquid with 25 kg of REC TOP SL 1007 powder
Thickness per coat	3 mm to 10 mm
Density of mix (kg/m ³)	2000

Application temperature range (°C):	from +5°C to +35°C
Workability (at +23°C):	20 - 30 minutes
Setting time:	45 - 60 minutes
Set to light foot traffic:	after 1½ - 2 hours
Time before laying floorcovering:	12 hours
FINAL PERFORMANCES	
Compressive strength (N/mm ²):	
- after 1 day:	7
- after 7 days:	20
- after 28 days:	26
Flextural strength (N/mm ²):	
- after 1 day:	3
- after 7 days:	6
- after 28 days:	8
Resistance to abrasion after 28 days	3 g

DIRECTIONS FOR USE

PREPARATION OF THE SUBSTRATE

The substrate must be clean, structurally sound, free from grease, oil, paint and plaster residues, surface laitance and contamination, including surface hardeners and additives that may compromise the bond.

APPLICATION OF THE PRIMER

On highly porous and absorbent surfaces, a coat of primer prior to the application will prevent pinholes / air bubbles within the surface, providing a smooth even finish.

REC PRIMER may be used on all absorbent and non-absorbent substrates. On difficult and non-absorbent surfaces the use of REC PU PRIMER will ensure perfect bonding.

Do not prime when **REC TOP SL 1007** is to be used beneath a surface membrane (Epoxy Floor).

MIXING

Mix 25 kg of **REC TOP SL 1007** part A powder into 5 kg of **REC TOP SL 1007** part B liquid. The **REC TOP SL 1007** part B liquid container should be shaken, poured into a clean mixing container and the **REC TOP SL 1007** part A powder added gradually whilst continually stirring with a mixing paddle and slow speed drill. The mixed mortar has a workability time of approx. 20-30 minutes at +23°C.

Do not add more liquid or water to the mix once it has begun to set.

APPLICATION OF THE PRODUCT

The mixed material is poured onto the prepared substrate and spread with a smooth edged trowel to the required thickness in one operation. Additionally the use of a spiked roller will ensure a smooth even finish that will not require any further attention prior to the floor covering being installed.

The correct mix permits any application from feather edge to 10 mm, although for the best results a minimum 3 mm application is recommended. (Apply at a minimum floor temperature above +5°C.)

DRYING

At normal temperatures **REC TOP SL 1007** will take light foot traffic after 16 to 2 hours, and accept bonded floor coverings after 12 hours.

A room temperature of +13°C - +18°C should be maintained with a substrate temperature of at least +5°C (good ventilation will considerably assist drying times, but avoid strong draughts).

CLEANING TOOLS

All tools and mixing containers should be washed and cleaned immediately after use before the material hardens.

COVERAGE

One unit will cover approximately 6 m² at 3 mm thickness.

PACKAGING

REC TOP SL 1007 is available in 30Kg Unit

STORAGE

- **REC TOP SL 1007** have a shelf life of 12 months if kept in a dry store in the original, unopened packs. In tropical climates it is essential to store in air-conditioned warehouse.
- Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames in the original, unopened packs. If stored at high temperatures the shelf life may be reduced.

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RECKON CHEMICALS PRIVATE LIMITED
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE
Tell: +92-42-35452620, +92-42-35230419
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

