

REC TOP SL 1007

POLYMER-MODIFIED SELF-LEVELING UNDERLAYMENT

DESCRIPTION

REC TOP SL 1007 is a cementitious, fast-curing, well-balanced blend of selected aggregates and various types of cements to produce a pourable or pumpable cement compound which will self-level after screeding to the desired level of coverage. It is used in conjunction with Concentrate.

PRIMARY APPLICATIONS

REC TOP SL 1007 is used as a rapid fast-setting high-strength underlayment over rough concrete floors to fill cracks; repair damaged floor areas due to poor finishing, frost damage, etc.; or for general leveling of new and existing floor surfaces prior to installation of finish flooring material.

FEATURES/BENEFITS

REC TOP SL 1007 has been formulated to provide the following features to facilitate and simplify its application:

- Easy to use
- Fast setting (can be walked on in 2 hours)
- High strength; over 29 MPa (4200 psi)
- Excellent adhesion when used in conjunction with Concentrate
- Mix as required (no waste)
- Minimum skill required for application.

TECHNICAL INFORMATION

PERFORMANCE PROPERTIES	METHOD	RESULT
Compressive Strength	ASTM C109	1 Day 19.3 MPa (2800 psi) 7 Days 29.0 MPa (4209 psi) 28 Days 37.9 MPa (5500 psi)
Flexural Strength	ASTM C348	6.8 MPa (980 psi)
Shear Bond Adhesion	ASTM C1042	7 Days 4.5 MPa (650 psi) 14 Days 7.9 MPa (1150 psi)
Tensile Strength	ASTM C190	7.6 MPa (1100 psi)

PHYSICAL PROPERTY	
Product Type	Water-based latex emulsion
Appearance	Fine-granulated grey powder
Toxicity	Non-toxic
Coverage	1 bag per 2.6 m ² (28 ft ²) at 6.4 mm (1/4") thick

DIRECTIONS FOR USE

MIXING PROCEDURE

Discard all materials which have begun to harden.

Mix **REC TOP SL 1007** with potable water in accordance to the following formula by weight:

- REC TOP SL 1007 1 bag
- Potable Water 4.5 litres

Mix **REC TOP SL 1007** into an empty clean mixing container. While under slow mixing action add the **REC TOP SL 1007** in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use excessive mixing speed. Do not over-dilute with water. Let mixed materials stand for a few minutes until they begin initial stiffening. Mix only enough materials which can be used within 30 minutes. Re-temper and use. Discard all materials which have begun to stiffen for a second time.

APPLICATION

Remove all delaminated, scaled, and otherwise deteriorated concrete down to solid concrete. Clean areas to be repaired by suitable means so that the substrate is clean and sound, free from ice, snow, dew and frost, dust, dirt, oil, grease and other foreign matter detrimental to a positive bond. (Consult RECKON CHEMICALS PRIVATE LIMITED for questionable substrates). For solid non-porous surfaces, apply a primer coat, REC SBR PURE, as a bonding agent for best results, to the areas to be repaired, leaving no standing liquid. The primer coat should be mixed 1 part REC SBR PURE to 1 part water. For high-porous surfaces, apply two coats of REC SBR PURE. The first primer coat should be mixed 1 part REC SBR PURE to 3 parts water and the second coat 1 part REC SBR PURE to 1 part water. Pour the **REC TOP SL 1007** mix and spread with a spreader, screed or trowel as required. Allow a minimum of 24 hours for curing. Protect freshly installed materials from inclement weather until materials have fully set and cured. Prevent rapid evaporation.

LIMITATIONS

REC TOP SL 1007 is not recommended for use:

- When ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period
- Over wood substrate
- For toppings over 12.7 mm (1/2") thick in any one coat
- Over concrete surfaces less than 24.2 MPa (3500 psi) strength
- Over previously treated surfaces without proper preparation
- Over surfaces where oil, grease and other deleterious materials are present.

CLEANING

- Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.

PACKING

REC TOP SL 1007 is available in 22.7 Kg (50 lb) bags.

STORAGE

Store **REC TOP SL 1007** in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. **KEEP FROM FREEZING.**

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

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RECKON CHEMICALS PRIVATE LIMITED
 6 KM Manga Raiwand Road, Glamour Adda,
 Near Sunder Industrial Estate, Lahore.
 Tell: 92-42-35395224-225
 Web: www.reckonchemicals.com
 Email: Info@reckonchemicals.com

