

CEMTOP 340 – Wearing TOP Self Levelling Screed

CEMTOP 340 is a pumpable self-smoothing screed formulated from High Alumina Cement, aggregates, supplementary binders and chemical admixtures. It is a pre-blended dry powder designed for use in domestic, commercial and industrial buildings. Application at thickness between 2 and 30 mm in one operation. It can be used as a subfloor and can also be used as a top layer.

- Wearing Screed
- Pumpable 2 – 30mm
- Early Trafficking
- Hand & Pump Application
- Reduced Drying Times

Field Of Application

CEMTOP 340 is designed for use as a toplayer of concrete subfloor in commercial, domestic and industrial buildings. CEMTOP 340 can be applied with an automatic mixer pump. CEMTOP 340 does not contain casein or other protein bearing additives that develop ammonia during the curing process.

Working Instructions

Light ventilation in the working area is necessary however windows and door openings must be closed sufficiently to avoid draughts during and for 3 days after application. During application (and for at least 1 week afterwards) the substrate and ambient temperature should not fall below +10°C or rise above +25°C.

The moisture content of the substrate must be:

Cement Based: ≤ 2.0 CM%

Calcium Sulphate with UFH: ≤ 0.3 CM%

Calcium Sulphate: ≤ 0.5 CM%

Substrate

CEMTOP 340 should be laid on a well-prepared subfloor. Dust, laitance, grease or other weak materials must be removed. Normal thickness is 6 - 10 mm, however the material can be laid up to 30 mm in one operation.

The flowability of the material is excellent, giving a smooth surface. Falls to water outlet may be maintained by use of a reduced amount of water and then pumping from higher to lower end. The semi-hardened material may be easily formed or cut allowing any necessary adjustments to be made.

Storage

6 months under dry conditions.

Preparation and Priming

The surface to be treated must be hard, sound and free from surface contamination. All dust should be vacuumed from the surface. Concrete laitance and old coatings should be removed mechanically e.g. by shot blasting, scabbling or scarifying. Concrete contaminated by oil or grease may require flame gunning and/or treatment with a proprietary degreaser. Prepare the substrate using Smet Floor Primer as directed. Dry and very porous substrates must be primed twice.

Mixing

CEMTOP 340 can be mixed in an automatic mixer pump. Only use clean potable water at a rate of 4.5 – 4.75 liter per 25 kg bag. The mixed material should be used within 15 minutes.

Application

Pumping is carried out in sections so that a wet edge is maintained. A T-bar, spiked roller or notched trowel is used to assist the levelling process. Door threshold, stairs, drains and gullies should be isolated with foam barrier strips. Larger areas should be divided into bays. Normal width of the bay is 8 -12 metres, depending on the pump capacity.

General Information

The general information provided in the present technical description, application guidelines and other recommendations, are based on research and experience. However, the client is obliged to determine whether the products are suitable for use. The characteristics given here are average values, obtained at 20°C and 50 RH, and were drawn up according to the current state of technology. As of publication, the present technical descriptions will replace all previous ones. Please take into account different local conditions such as ventilation, floor temperature and humidity. Do not process at temperatures below +5° C. High humidity and low temperatures slow down the constriction and the curing. Do not mix with other products.

Safety

Caution. This product contains cement, which becomes alkaline when wet and may cause skin irritation. Use goggles, gloves and protecting cream. Avoid prolonged contact with skin. Avoid inhaling the dust. Wash affected area with warm water and soap. Wash eyes thoroughly and consult a physician. Do not ingest. See Health and Safety Data Sheet for further information.

Technical Information

| | |
|--------------------------------------|---|
| Screed Specification EN 13813: 2002 | |
| Maximum Thickness | 30mm |
| Minimum Thickness | 2mm (bonded) |
| Use (External Use) | No |
| Use (Internal Use) | Yes |
| Compressive Strength (28 days) | >37 N/mm ² after 28 days. Ultimate strength 40 N/mm ² |
| Flexural Strength (28 days) | >8 N/mm ² after 28 days. Ultimate strength 10 N/mm ² |
| Tensile Adhesion | > 3.0 N/mm ² |
| Shrinkage (28 days) | < 0.04 ‰ |
| Flow Rate | 150 - 155mm (Flow Ring 50 x 22mm) |
| Hardening Time (before foot traffic) | 1 - 2 hours |
| Hardening Time (final covering) | 24 hours (depending on thickness) |
| Recommend water content | 18 - 19 % (4.5 - 4.75 litre / 25 kg bag) |
| Pot life | Maximum 15 minutes (depending on ambient conditions) |
| Reaction To Fire | A 2fl – s1 |
| Yield | 1.5 kg/mm/m ² |



Cemart bvba
Maatheide 76e
B-3920 Lommel

10

EN 13813
CT - C40 - F10

cemart
the art of cement