Bond for Life.®

Technical Data Sheet

SuperLevel TOP



Self Levelling Smoothing Compound

CT C30 F9 | 1.5 to 15mm

Product Description

SuperLevel TOP is a fast-setting, self-levelling & smoothing compound designed for refurbishing existing commercial and domestic interior floors. It can be applied by hand or pump to level, smooth, and fill thickness variations from a feather edge up to 15mm per application on sound, rigid subfloors. This compound offers good resistance to loads, making it suitable for areas with wheelchair traffic, and for use with underfloor and under-tile heating systems.

Product Advantages

- Super Smooth Finish
- Superior Flow
- Interior Use
- Thin Depth Topping
- Hand or Pump Application

Application

Apply SuperLevel TOP in one coat from Feather Edge up to 15mm with a large metal trowel or squeegee, keeping the trowel slightly inclined to obtain the desired thickness. Drying time at 20°c is approx 24 hours. Abrasing using 40-60 grit sanding paper improves both the surface quality and the absorbency. Poor air-flow and lower temperatures will significantly affect drying times.

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Application Data

Specific Gravity of Mix (kg/m3)	2000
Dry Solids Content	100%
Mixing Ratio	4.6-4.7L of clean water per 20kg bag
Thickness Per Coat	from 1.5 to 15mm (minimum of 3 mm before the installation of timber floors)
Initial Setting Time	3hrs 16mins
Final Setting Time	3hrs 41mins
Self Levelling	Yes
pH of Mix	Approx. 12
Flow	0 min: 243 — 20mins: 229
Time before laying flooring:	Ceramic tiles: 3 hrs. — Resilient & wood flooring: 12 hrs.
Application Temp Range	from +5°C to +35°C
Open Time	20-30 minutes
Set to light foot traffic:	3 hours
VOC Content	<0.3 mg/m3

Final Performance Data

Compressive strength (N/mm²)	After 1 Day: 15.82	After 7 Days: 18.62	After 28 Days: 31.45
Flexural strength (N/mm²)	After 1 Day: 7.44	After 7 Days: 7.76	After 28 Days: 9.55
Resistance to abrasion TABER Abrasimer	(Abrading wheel H22-500g - 200 revolutions) expressed as weight loss (g)		After 28 Days: 0.7

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Surface Preparation

Before work commences, examine the areas to be covered and report any deficiency or adverse conditions in writing to the general contractor, owner, developer or architect. Do not proceed with work until surfaces and conditions comply with the requirements indicated in the current Australian standards and manufacturers instructions.

All supporting surfaces shall be sound, solid, stable, levelled, dry, plumbed and in strict accordance with the current Australian Standards. They shall be clean and free of dust, oil, grease, paint, tar, wax, curing agents, primers, sealers, or any deleterious substance and debris which may prevent or reduce adhesion.

Completely remove all paint, curing and sealing compounds (irrespective of the type – including dissipating curing compounds), loosely bonded topping, loose particles and construction debris by mechanical means ie shot blasting, scarification, or sanding. A minimum concrete surface profile (CSP) of CSP #3 is required. When silica sand is used to prepare substrates, an approved dust mask is recemented. Surfaces containing asbestos must be handled in accordance with current Commonwealth, State and local regulations and current Australian Standards

Neutralise any trace of strong acid or alkali from the substrate prior to the application of any product All substrates shall be dry and comply with ·current Australian Standards.

On grade or below grade concrete slabs must be Installed over an acceptable vapour barrier per industry standards.
Contact Siegel Technical Contacts.

Cementitious surfaces that are not sufficiently compacted must be removed or where possible consolidated with the correct SiegelPrime product. Cracks In the substrate should be repaired as per Australian Standards.

Priming the Surface

Substrates should be primed using the correct SiegelPrime product prior to the application of SuperLevel TOP.
Apply a SiegelPrime non-porous primer over non-porous substrates such as existing ceramic tile or natural stone.
Concrete or cement substrates are to be primed with SiegelPrime porous primer.
Please consult your local Siegel Technical Manager.

Mixing

Pour a 20kg bag of SuperLevel TOP into a bucket with 4.6-4.7 litres of clean water and mix with an electric mixer at slow speed (300rpm) to obtain a homogeneous lump-free mix.

Larger quantities can be prepared in onsite mixers. After 2-3 minutes of slackening, the mix should be restirred and is then ready for use. The quantity of SuperLevel TOP mixed must be used within 30-40 minutes (at a temperature of +23°C)

Application

Apply SuperLevel TOP in one coat from Feather Edge up to 15mm with a large metal trowel or squeegee, keeping the trowel slightly inclined to obtain the desired thickness.

Drying time at 20°c is approx 24 hours. Abrading using 40-60 grit sanding paper improves both the surface quality and the absorbency. Poor air-flow and lower temperatures will significantly affect drying times. When a second coat of SuperLevel TOP is required, it must be applied as soon as the first one is ready for traffic (approx. 3 hours at +23 C), or if allowed to completely dry the floor.

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Installing the Flooring

The levelling coat of SuperLevel TOP is ready for covering with carpet, vinyl or timber after approximately 12 hours, or with tiles 3-24 hours (depending on the thickness) at 23°c (times can vary depending on room temperature and humidity). It is not advisable to apply SuperLevel TOP at temperature below +5°c.

Recommendations

- Do not apply in thickness less than 3mm under timber floor installation.
- Do not add water to a mix which has already started to set
- Do not add lime, cement or gypsum
- Do not use SuperLevel TOP for exterior leveling work
- Do not use SuperLevel TOP on substrates with continuous rising damp
- Do not apply an additional coat of SuperLevel TOP if the previous layer has completely dried without first applying a coat of the correct SiegelPrime.
- Do not use SuperLevel TOP at temperatures below +5°C

Cleaning

When fresh, SuperLevel TOP can be removed from tools and hands with water.

Storage & Shelf Life

SuperLevel TOP remains stable for at least 12 months if stored in a dry, elevated area. Please store in a locked location.
Keep out of reach of children.

Technical References

SuperLevel TOP is manufactured and tested to Siegel Procedures, which are maintained in accordance with ISO 9001 Quality Standards. Safety Data Sheets are also available at siegeladhesives.com and should be read in conjunction with the instructions on the packaging.

First Aid Treatment

Cement, when mixed with water or latex, may result in a corrosive solution to eyes and skin. If splashed in eyes of skin, flush thoroughly with water. Do not take internally. If ingested, drink 1-2 glasses of water to dilute. Do not induce vomiting. Consult a physician or poison control centre immediately. In the event of chemical emergency, spill, leak, exposure or accident, in Australia, contact:

Australian Poisons information centre:
24 hour service- 13 11 26
Police or Fire Brigade - 000
New Zealand poisons information centre
Phone: 1800 POISON (1800 764766)

Product Disclaimer

Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In every case we recommend that the customer conducts their own testing and accordingly determines, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone our Customer Service Centre on AU (02) 4858 1771 or NZ