sib
Sociedad Industrial
de Britagem de Pedra

METHOD STATEMENT

# SIB Extreme Trowel

## Power troweled Screed

MAY 2018

## Surface preparation

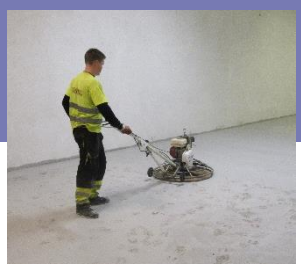
**Prepare Surface according to Surface preparation Guide**
**Surface must be**
1. Dry (both on the surface and inside)
2. Levelled
3. Cohesive
4. Even
5. Free of cracks (to be pre-treated)
6. Clean, free of dust and debris and loose materials and free of oils, grease or other chemical impurities

**Recommended primers:**
Epoxy SIB Aquapox or SIB E 100 with Sand carpet (1,8/2.0 mm)
SIB ECO PRIMER A6 with mortar – textured Surface

Check Edge Isolation - if SIB Extreme Trowel can run under the Edge isolation it can cause problems in the final appearence of the floor
Check that you have no dead spots, spills or loose particles on the primed floor
Make sure that you have stable temperature on floor and in room
Prefered between 10°C to 25° C
Floorheating should be turned off. Heavy direct sunlight and heavy draft should be prevented

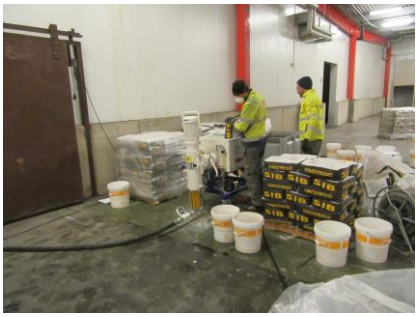
**FINISH AROUND EDGES, WINDOWS, DOORS AND INSERTS**
Clear out client expectations with the possible options and take precautions before installing the floor. Will there be a skirting board? And if not – how is the floor finished next to the walls?

### Tools Needed



Mixing machine or Hippo Mixers
Spike Shoes - Hight adjustable Gauge Rake- Metallic Spike roller with **10 mm fine spikes**
If tools are new spray them with a hydro repellent for easier cleaning and better performance
High Power trowel capacity – cures faster than traditional concrete – best to use ride on

**Prepare work area**
Prepare a work area where you have good access to all work areas and cleaning after finishing
Make sure you have access to the power supply you need for machines
Make sure that you cover all areas where you do not want to stain or have risk to splash on
Be prepared for incidents – have buckets and cleaning gear ready if needed



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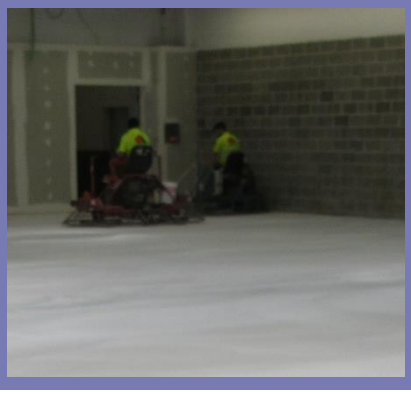
## Screeding the floor

**Mixing**
Premix the Liquid B component – When mixerpump is used put a pump or mixer into the container with liquid, so it is constantly mixed.
Use intensive mixing accessories for the mixerpump.
Make a test mix to adjust the mixing rate – mixing rate will normally be 23-25 % liquid B (in L) to kg of A component (Powder), but workability should be adjusted to temperature and work conditions (Approx 4,5 l (5.4 kg)/25kg bag).
Once mixing rate is established make sure it is always the same.
Manual mixing – mix for minimum 2-3 minutes – mix till the mix is homogeneous and without lumps and all pigments are integrated in the mix
When mixing manually sew the Powder materials before mixing
When the floor is screeded manually with Hippo Mixer or equivalent you can use two mixers to secure an even material flow

**Thickness**
We recommend to screed the floor in minimum 10 mm thickness
A good base is essential since the thickness of the screed is taken from the floor base

A quick application makes the troweling process easier
Stable temperature on the floor and in the air is important for a good result. If temperature change a lot on the base or air, the floor can cure unevenly and that makes the troweling process complicated

To achieve an even finish the floor should be screeded in even thickness. Uneven thickness gives different curing time and difficulties in trowel.



**Pouring the material evenly**
The material is poured out on the floor
The material is screeded between screed bars or with a Gauge Rake to spread the Extreme Trowel evenly on the floor.
Another person with spike shoes follow right after with a spike roller to even out marks and smoothen the floor.

The floor then needs to settle till you can walk on it and makes a 1-3 mm footprint.
Extreme Trowel is now ready to power trowel.

**Trowel**
At 21° C the SIB Extreme Trowel is ready for trowel after 2-4 hours. If temperature is lower curing will take longer and it can be accelerated by heat.
We recommend to trowel with a ride on trowel for a more even trowel.
Extreme cures faster than traditional concrete once it start curing. It is recommended to have additional trowel capacity.
To reduce trowel marks and effects from the trowel we recommend to use plastic blades for the finish.

SIB Extreme Trowel should be curing at stable temperatures.
The SIB Extreme Trowel cures without being covered and the material should not be touched during the curing.

**Finish**
The Extreme trowel is made to be left with a troweled finish.
It is passed over with SIB Abrasives to get the curing film of and then sealed with Prosib Plus and SIB OIL 2K

Before the floor has been fully finished it is sensitive to water and other liquids that can penetrate and make marks in the floor.
The floor needs to breathe also after the curing process if finished, why the floors should only be covered with breathable materials

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# SIB Extreme Trowel

## Power troweled screed

MAY 2018

## Sealing the floor

**SEAL THE FLOOR WITH PROSIB PLUS**
Clean the floor well with a scrubber dryer with a cleaning pad
Make sure that the scrubber dryer is in good conditions – do not leave water sacking on the floor
When the floor is fully dry it is ready to receive sealer

**Mix the sealer and apply on the sealer**
Use a low pressure sprayer to apply the sealer evenly
Pass over with a roller and right after with a dry roller
Let dry for an hour approximately and impregnate a second time

Impregnate with SIB OIL 2K for good protection.

Consult the technical data sheets on the sealers and our technical department to make sure that you use the right sealer solutions for the use of the floor.


**Low Pressure Sprayer**
Ideal Sprayer for penetrating sealers

**Sealer application**
Sealers applied with Low Pressure Sprayer and passed over with a wet and dry roller

**Cleaning and maintenance**
Clean with PH neutral cleaning agent

**To maintain sealer**
Clean the floor with Concrete Soap with a certain frequency. The SIB OIL 2K can be reapplied when needed.

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