



Ecotop GP (Self Leveling Screed)

DATA SUMMARY



Ecotop is a proprietary blend of powders based on geo polymer technology used in water proofing applications where very high strength and superior durability is desired. The special chemistry of the Ecotop makes it highly non porous and hence water resistant. It also has very low permeability and is highly resistant to sulfate attack.

Ecotop can be applied by hand (trowel) and by machine. It contains special additives that make it easily workable by hand and ideal for pumping and gun spraying.

Ecotop can be placed in thicknesses from 5mm. to 25mm + in one coat.

Ecotop has the properties of withstanding intensive heat upto 1200°C.

No special priming or curing is required.

PHYSICAL PROPERTIES:

Compressive Strength

24-hr: 15 Mpa

72 Hr : 20 Mpa

28-day: 25 Mpa

Open Porosity: < 1%

Shrinkage: None

Bond Strength to Concrete: > 4 Mpa

Unit Weight: 2000 kg/m³

Set Time:

Initial setting time :20-minutes

Final setting time: 30-minutes

Foot Traffic : 1 hr

Light Traffic : 3 Hrs

Heavy Traffic : 24Hrs.

Coverage: 12Kg per Square meter @ 6mm Thickness

MIXING GUIDELINES

Use 23ml of water for 100g of the powder. Initially the mix may appear dry. But do not add more water. After 3 minutes of mixing it will form smooth slurry. At this point you may choose to hand apply or use any kind of spraying equipments. Remember to wash off all the equipments immediately.

To ensure the performance of the product, DO NOT break up individual units into smaller portions. Mix entire contents at one time.

APPLICATION GUIDELINES

Substrate must be sound, clean and free from loose particles or contamination to ensure proper bonding. Cracks present must be treated first depending on the type of crack.

PUMPING ECOTOP

Do not begin mixing until the pumping group people are ready to work. Ideally, material should mix for 4-7 minutes in the mixer, and be poured in the hopper as soon as the nozzleman is ready to spray. Do not mix for more than 10-15 minutes or retemper material. Try to avoid delays between gun application (downtime when the material sits in the hose between application). Ecotop is a fast setting material that can set up in the hose if guidelines are not carefully followed.