

Product Data Sheet

GR – Cement Self level



Cementitious self leveling underlayment.

DESCRIPTION

Is a cementitious compound modified with specially additives, it forms a flowing mortar for floor with high hardeners, quick drying and has self-levelling properties, giving a flat finish ready to apply final floor coating including tiles, carpets and resinous flooring systems.

USES

- Leveling of concrete slabs before the application of final floor coating such as tiles and resinous systems.
- As a substrate for vinyl tiles, parquet, carpet, and floor coverings requiring flat substrates.

PHYSICAL PROPERTIES

Appearance	Grey Color Powder
Application thickness	2 – 5 mm
Dry density (kg/liter)	1.25 approx.
Wet density (kg/liter)	2.00 approx.
Open time @ 25°C	30 min approx.
Compressive Strength (ASTM C109)	28 days ≥ 22 MPa
Flexural Strength @ 28 days (ASTM C348)	7.5 N/mm ²
Initial Flow (ASTM 1708 & BS EN 12706)	≥ 135 mm
Flow Retention @10 min (ASTM 1708 & BSEN 12706)	≥ 135 mm
Hardening Time (Depends on Surrounding Temp.)	30 - 60 min
Traffic Time	4-6 hours
Topping time	48 hours
VOC	<50 gm/Liter
Mix Ratio	25 kg : 5 Liter water

ADVANTAGES

- Exceptional workability.
- Shrinking resistance.
- Excellent adhesion to concrete surfaces.
- Great Compressive strength.
- Can be carried out on thicknesses up to 4 mm.
- Suitable for harsh weather.
- Self-leveling.

SURFACE PREPARATION

- The surface must be free of dirt and oil.
- Surface moisture less than 5%
- Modified cracks with GR putty.
- Larger areas can be divided with wooden battens to control the pouring volume

Packing SIZE

25 kg bag

APPLICATION METHOD

- add to the mixing container
4.8 - 5.2 liters of water for each 25kg bag
- Add the powder to the water and mix with a mechanical plaster mixer or low speed mixer for 3 – 4 mins until homogenous.
- flow-ability for about 30 min in room conditions.
- Pour the mixture on the surface and spread it with a special trowel.
- Protect the applied material from environmental wind, direct sunlight, dirt, and dust exposure.

STORAGE & SHELF LIFE

Product containers should be stored at 25°C in dry conditions away from sunlight exposure. Shelf life is approximately 12 months.

HEALTH AND SAFETY

Application of material should be under good ventilation.

Avoid inhalation of vapor. Use goggles and vinyl gloves.

In case of contact with eyes, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately.