



FLATEX S 03 IS A GREY POWDER COMPOSED OF SPECIAL CEMENTS, SELECTIVELY GRADED SILICA SANDS, SYNTHETIC RESINS AND BLENDED ADMIXTURES. FLATEX S 03 MIXED WITH WATER FORMS A THIXOTROPIC PASTE THAT IS EASY TO SPREAD ON FLOORS OR WALLS.



PRODUCT DESCRIPTION

Flatex S 03 is a grey powder composed of special cements, selectively graded silica sands, synthetic resins and blended admixtures. Flatex S 03 mixed with water forms a thixotropic paste that is easy to spread on floors or walls. It can be applied in thicknesses up to 5 mm per coat. When hardened it has good resistance to compression, flexion, and abrasion. For greater thicknesses, add 30% clean, suitably graded sand. To improve the mechanical characteristics of Flatex S 03 for more critical applications we recommend partially replacing the mixing water by adding 1.5-2 kg of Latex or Admix S2 for 25 kg bag of product.

FIELD OF APPLICATION

- Smoothing poured concrete floors and cement screeds.
- Smoothing existing bush-hammered concrete and terrazzo floors.
- Smoothing walls of concrete, cement renders, foamed concrete, ceramic tiles and existing renders.

SUITABLE SUBSTRATES

- Concrete
- Cement Mortar
- Ceramic Tile and Stone primed with Grip Primer.

LIMITATIONS

- Do not add more water to the mix once it has begun to set.
- Do not add lime, cement or gypsum to the mix.
- Do not use for leveling exterior floors or for substrates or walls subject to rising damp.
- Before using on anhydrite or gypsum substrates, apply a primer.
- Do not use at temperatures below +5°C or above +35°C.
- Do not apply another coat of Flatex S 03 when the previous one is completely dry.

APPLICATION PROCEDURE

A) Preparation of the substrate

All substrates must be mechanically strong, free of dirt, oil, grease, paint, laitance, concrete sealers, efflorescence, or curing compounds. Any grease or wax must be removed from old ceramic floors using a basic detergent. Screeds and concrete must be completely cured, at least 30 days for screeds and 3 mon-

ths for concrete. Prime highly absorbent surfaces like lightweight concrete with Seal Primer or DCI Grip Primer to improve adhesion.

B) Preparing the product

Substrates must be solid, free of dust, loose particles, paint, wax, oil, rust, traces of gypsum or other substances that might interfere with bonding. Insufficiently solid absorbent surfaces must be removed or, where possible, repaired. Cracks or crazing in cementitious substrates should be repaired with Epoinject. Dusty or particularly absorbent concrete surfaces must be treated with primer to prevent possible de-bonding and render the substrate uniformly absorbent. Existing floors, e.g. in ceramic tiles or natural stone, must be thoroughly cleaned and any oil or grease removed. Then apply a coat of DCI Grip Primer.

C) Applying the product

Use a metal trowel, keeping it slightly slanted to obtain the desired thickness. Additional layers can be applied when Flatex S 03 can be walked on but is still damp. Drying time can vary considerably, depending on the thickness, temperature, ventilation, humidity and the absorbency of the substrate. For best results, protect Flatex S 03 while hardening from draughts, high temperatures and direct sunlight to prevent it from drying too quickly.

COVERAGE / CONSUMPTION

Consumption varies depending on the thickness of the screed and the amount of Chem M250 Rapid. For 350-450 kg of Chem M250 Rapid per m³ of aggregates, consumption is 3.5-4.5 kg/m² per cm of thickness.

COVERAGE / CONSUMPTION

The consumption is approximately 1.5kg/m² at 1 mm thickness.

PACKAGING

Flatex S 03 is supplied in:
– 25 kg paper bags.

SHELF LIFE-STORAGE

Original sealed bags of this product are guaranteed to be of first quality for 12 months if stored off of the ground in a dry area. High humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

FLATEX S 03 contains cement that, when in contact with sweat or other body fluid, can cause allergic reactions to those predisposed and irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to the eyes. Wear protective gloves, goggles, and take the usual precautions for handling chemicals during use. When in case of contact with skin or eyes, wash immediately with plenty of water and seek medical attention.

TECHNICAL DATA

Product identity	
Consistency	Fine liquid
Color	Grey
Bulk density (kg/m ²)	1300
Dry solids content (%):	100
Classification Standard	EN 13813
Application data (at +23°C and 50% R.H.)	
Mix ratio	Approx. 26-28%
Consistency of mix	From 3 to 10
Self-leveling	Yes
Density of mix (kg/m ³):	2100
pH of the mix	approx. 12
Application temperature	+5°C to +40°C
Pot life:	45 minutes
Setting time	180 minutes
Set to light foot traffic	12 hours
Final performances	
Compressive strength according to EN 13892-2(N/mm2):	
24 hours	≥ 10
72 hours	≥ 15
7 days	≥ 25
28 days	≥ 30
Flexural strength according to EN 13892-2 (N/mm2):	
24 hours	≥ 2
72 hours	≥ 3
7 days	≥ 5
28 days	≥ 7
Adhesion to concrete according EN 13892-8 (N/mm2)	> 2.0
Abrasion resistance Taber abrasion test	< 0.5
(H22 disk -500 g - 200 rpm)	S

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



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