

ACS Floor Maestro Self Levelling Compound

DESCRIPTION

ACS Floor Maestro Self Levelling Compound is a commercial grade cementitious self-levelling compound with outstanding flow, workability and bonding properties. ACS Floor Maestro Self Levelling Compound is suitable where a thickness of feather edge to 50mm is required and can be used over new or existing interior and exterior floors that have been properly prepared and primed with CCS Super Polymer.

RECOMMENDED USES

- Interior and exterior floor-levelling applications
- Residential and commercial projects
- New and existing construction projects
- Restoration of old floors
- As an underlayment for floor coverings and coatings after 24 hours cure time – refer to Temperature Factors

FEATURES & BENEFITS

- May be applied to a thickness of feather edge to 50mm in a single application
- Tear and rain resistant recyclable PE bags which prevent loss from broken bags
- Iron free formulation – will not rust or stain
- Accurate and reliable bag weights
- Excellent bonding properties
- Outstanding flow and workability
- Trafficable after 4 hours
- Suitable for both manual and pump installation methods
- Excellent non-sag properties when mixed to a stiff or plastic consistency

PRODUCT DATA	TEST RESULT
Fresh Mix Density (kg/m ³)	1950
Yield(L/20kg bag)	12.5L @ 4.4L water addition 12.7L @ 4.8L water addition
20Kg Bags per cubic metre	80 @ 4.4L water addition 79 @ 4.8L water addition
Foot Traffic at 23 C	Approx. 4 hours
Floor Coverings at 23 C	24 Hours
Setting Times at 23 C	Initial: 1-1.5 hours Final: 1.5-2.0 hours
Compressive Strength	1 Day: 12-13 MPa 7 Day: 19-20 MPa 28 Day: 34-35 MPa
Application Thickness	Minimum: Feather Maximum: 50mm

SURFACE PREPARATION

Concrete floors must be structurally sound, clean and dry. Surface must be free from all contaminants such as dust, dirt, wax, grease, asphalt, latex and gypsum compounds, adhesives, paint, curing and sealing compounds all of which may act as a bond breaker. Concrete must be free from laitance, efflorescence and not be subject to hydrostatic pressure. Mechanically prepare the floor using recommended preparation methods such as shot blasting, scarifying, diamond grinding, or other suitable methods to provide a roughened, clean, sound, solid and open porous surface. Acid etching is not a suitable method of preparing the subfloor. Remove all dust and debris from the floor by vacuuming the surface with a suitable H Class industrial cleaner which must be equipped with a Hepa filter. All concrete sub floors must be fully cured and dry in accordance with AS 1884 (Less than 75% relative humidity when measured in accordance with ASTM F2170). Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C and below 35°C. For floors with a high humidity content or subject to rising damp, apply a suitable moisture barrier compound. Refer to ACS Technical Bulletin on Concrete Subfloor Preparation for detailed information on preparation of the subfloor.

PRIMING

Using a soft brush or broom, prime the prepared concrete area with CCS Super Polymer and allow primer to dry. A second coat of primer may be necessary on areas with very porous surfaces where the initial coat has been completely absorbed. Allow the primer to fully dry to a clean, thin film (approx. 1-2 hours depending on ambient conditions) before applying ACS Floor Maestro Self Levelling Compound. Low temperature can delay the drying time of primer. Do not apply levelling until the primer has dried thoroughly. Refer to CCS Super Polymer Technical Data Sheet for correct mix ratio of 1:4 for priming.

MIXING

Add 4.4 – 4.8 litres of potable water into a clean mixing vessel and whilst mechanically mixing, slowly add the entire 20kg contents of ACS Floor Maestro Self Levelling Compound. Mixing should take place using a forced action high shear mixing paddle, with a mixer capable of stirring at 600rpm. Mix for approximately 2 – 3 minutes to a lump free consistency. Use mix within 15 minutes after mixing, be sure to only mix a quantity that can be use within this time. Do NOT overwater the ACS Floor Maestro Self Levelling Compound, use only the recommended mix water volume. Do NOT use a concrete or masonry mixer to mix ACS Floor Maestro Self Levelling Compound. Do NOT mix by hand. Do NOT attempt to retemper mixed product once the working time of 30 minutes has been exceeded.

COVERAGE

20kg bag of ACS Floor Maestro Self Levelling Compound will cover approximately 2.5m² at 5mm thickness, 4.1m² at 3mm thickness.

APPLICATION

Pour the mixed ACS Floor Maestro Self Levelling Compound onto the prepared substrate and spread into place using a long handled gauged spreader. ACS Floor Maestro Self Levelling Compound seeks its own level during the first 10 - 15 minutes after pouring. Subsequent applications of leveller should be made whilst the material on the floor is still fluid and has a wet edge, to allow for easy blending. The ACS Floor Maestro Self Levelling Compound can be applied from feather edge to 50mm thick in one application. Thicker applications may require a longer cure. It is recommended that spiked shoes be worn, to minimise any indentations in the product whilst still fluid.

SETTING TIMES

Allow a cure time of 3-4 hours at 23°C for foot traffic. Allow the ACS Floor Maestro Self Levelling Compound to cure 24 hours at 23°C before laying floor coverings or coatings. These times can be impacted by air temperature, substrate temperature and relative humidity. Thicker layers will extend drying times.

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For further information consult the Safety Data Sheet and read the product label carefully before use. Safety data Sheets are available by phoning 1800 077 744.



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