

CCC 100 GENERAL LEVELLING COMPOUND

PRODUCT DESCRIPTION:

CCC 100 GENERAL Levelling compound

CCC GENERAL Levelling compound is rapid drying self levelling compound with excellent flow properties formulated for self-levelling differences from 1 to 20 mm in thickness on new or existing internal concrete substrates.

It develops a smooth and even surface with high levels of mechanical resistance, ensuring the subsequent installation of floor coverings.

FEATURES & BENEFITS

- Excellent Flow
- Thickness 1mm – 20mm
- Rapid Drying
- Floor Coverings 12 hours after application
- Pump application



CLASSIFICATION ACCORDING TO EN 13813

The material properties of CCC 100 GENERAL Levelling compound is classified as CT-C30-F6 according to EN 13813

RECOMMENDED USE

Once dry suitable for the application of vinyls, carpets, linoleum, floating floors and tile floor finishes.

It is ready to accept most floor coverings after approximately 12 hours and allows for quick and reliable installation.

CCC GENERAL 100 Levelling compound is pumpable and for internal applications and suitable for underfloor and heating systems.

SURFACE PREPARATION:

Subfloors must be dry, sound, clean and in accordance with the relevant Floorcoverings Australian Standards.

Subfloors must also be free of wax, grease, oil, polishes, old adhesive, curing compounds, high levels of moisture and any other surface contaminants that may affect adhesion. If mechanical preparation is required prepare the floor using recommended preparation methods such as shot blasting, diamond grinding, to provide a roughened, clean, sound, and open porous surface.

Thoroughly vacuum loose material and dust.

The minimum subfloor temperature before commencing installation should be 10°C



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Do not use solvents, or acid etching to clean the subfloor.

Concrete floors must be dry sound, smooth and clean, in accordance with relevant Floorcoverings Australian Standards. For subfloors that display high moisture levels it is recommended an CCC Moisture Barrier be applied. Please contact CCC Technical Department for further details.

Where temperatures are less than 5°C or greater than 35°C are encountered, please contact CCC Technical department for further details.

PRIMING:

Prime concrete floors with CCC Universal Primer

Porous Substrates:

Absorbent concrete surfaces, Mix 1 Part CCC Universal Primer with 2 Parts clean water.

Apply an even film using a roller or brush ensuring the entire area is primed and allow to cure.

Highly absorbent or porous surfaces may require a second coat of Universal Primer to avoid pinholes.

Non- Porous Substrates:

Ensure substrates such as ceramic tiles have no coatings or sealing compounds residing on the surface before the application of primer.

Coatings, Curing and Sealing compounds on concrete substrates must be mechanically removed.

Apply an even layer of CCC Universal Primer neat (undiluted to non porous substrates).

Allow primer to dry (approx. 2 hours @ 23°C).

Once Primer is a tack free clear film, Product can be applied over the primer.

MIXING RATIO:

CCC 100 GENERAL Levelling compound should be mixed using a drill and suitable mixing paddle.

Mix one 20kg bag with 4.6 -4.8 litres of clean water. Slowly add ½ the bag of powder to the water while mixing thoroughly, then add remainder of bag to mix. It is essential to ensure the powder and water are evenly mixed for approximately 3 minutes and the water is dispersed to obtain a lump free mix. Do not over water as this will promote bleed and separation with a reduction in bond and tensile strength.

APPLICATION:

Apply in one coat from 1mm to 20mm.

Apply the mixed compound to the primed substrate using a gauge rake, stand up spreader at the required height adjustment or trowel on a slight incline to obtain the required thickness.

Larger installations can also be pumped using an appropriate mixing pump.

The mixed quantity must be used within 15 minutes at a temperature of 23°C

Due to its self-levelling properties will quickly develop a smooth finish and even surface.



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SETTING TIMES:

When applied will harden after approximately 2–3 hours at 23°C and can be walked on after this time. The levelling coat will be ready to receive application of vinyls, carpets and tile floor coverings fixed with adhesives after 12 hours at 23°C (time may vary depending on temperature and humidity).

CLEAN UP:

Clean tools immediately after use with water

SHELF LIFE / STORAGE:

12 months when stored in original unopened packaging
To be stored in a dry area off the ground.

NOTES & PRECAUTIONS:

- Drying times can be extended when applied in cold ambient temperatures.
- Do not allow to come in contact with water during or after the curing process.
- Do not apply on substrates with rising damp.
- Internal use only.
- Not Suitable for particle board floors.
- Do not apply over expansion joints as reflective cracking may occur

TECHNICAL DATA:

Product Information	
Colour	Grey
Bulk Density (kg/dm ³)	1.241
Wet Density (kg/dm ³)	≈2.000
Shelf life	12 months
Packaging	20kg
VOC – GEV Emission	EC1 Plus
Coverage – 20kg Bag	Will cover approximately 4m ² at 3mm
Application Data 23°C at 50% RH	
Mixing Ratio	4.6-4.8 litres water
Open Time	30-40 minutes
Setting Time	2-3 hours
Temperature Range	From +5°C to +35°C
Maximum Thickness	20mm
Foot traffic	2-3 hours
Waiting time before subsequent bonding	12 hours



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pH of Mix	Approximately pH 12
Performance Data	
Flexural Strength N/mm ² - EN 13892-2	
1 day	> 3
3 days	> 4
7 days	> 5
28 days	> 6
Compressive Strength N/mm ² - EN 13892-2	
1 day	> 13
3 days	> 21
7 days	> 25
28 days	> 30
Abrasion Resistance g - EN 12808-2	
28 days	≤ 150
Surface Hardness N/mm ² - EN 13892-6	
28 days	> 50

SAFETY & HANDLING

Do not breathe dust. Wear suitable respiratory protection.

Use in well ventilated areas. Avoid contact with skin and eyes.

Wear eye protection and suitable gloves and clothing.

Do not eat, drink or smoke while using this product. Take off contaminated clothing and wash before reuse.

If on skin wash with plenty of soap and water. If in eyes: rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If Inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.

If any skin or eye irritation persists or you feel unwell get medical attention.

Safety Data Sheet is available upon request.