

4Ever Concrete UM filler

High performance nano floor filler primer

Characteristics

4Ever Concrete UM filler is 3 component water based concrete floor filler as well as primer with nano technology. It is intended to patch minor cracks, holes and surface defects in concrete or masonry for industrial maintenance environments.

- Superb strength. Harder than concrete.
- Incredible adhesion. Even stick to the oily floor.
- No VOC, No odor
- Easy to repair. Saves time and cost.

Product data

Color

Standard 5 colors: Green, Grey, Sky blue, Brown, Ivory

Packaging

24kg sets(Part A:4kg, Part B: 4kg, Part C:16kg) ,Accelerator 100g

Shelf life/Storage

6months(Protect from direct sunlight. if stored properly in original, unopened and undamaged sealed packaging.)

Technical data

Appearance in container	Part A: White liquid Part B: Brown liquid Part C: Colored powder	Item	Result	Description
Mixing ratio	Part A:Part B:Part C 1:1:4 (by weight)	Tensile strength	7N/mm ² (Substrate broke)	JIS K 5600-5-7 Pull off test
Pot life	20~30minutes (20°C, 60% humidity)	Compressive Strength	40N/mm ²	JIS A 1108 (20°C,in 7day material age)
Dry to touch	4~5hours (20°C, 60% humidity)	Scratch hardness	3H	JIS K 5600-5-4 Pencil method
Full cure	12hours(20°C, 60% humidity)	Abrasion resistance	100mg	JIS K 7204 1kg Abrasive wheels CS-17, 1,000times
Shelf life	6months	Impact resistance	No Damage	JIS K 5600-5-3 Dropping 1kg steel ball from 1m more than 10times
		Heat resistance	120°C	JIS K 5600-6-3 The effect of heat
		Gasoline resistance	OK	JIS K 5600-6-1 Immersion into gasoline 1 and 2 for 24hours
		Liquid resistance	No blister, peeling off and crack	JIS K 5600-6-1 Acid:5% hydrochloric acid for 480hours Neutral:5% NaCl 480hours Alkali: 5% Sodium hydroxide for 480hours

Application procedures

Surface preparation

- Concrete needs 30days of air drying for concrete curing period.
 - ※ For the surface that does not meet above requirements, coating has to be waited until standard developing period elapsed
 - Confirm that concrete surface is smooth. If lack of smoothness exceeds 200µm, then make the surface smooth by sanding or grinding.
 - The concrete substrate must be sound and of sufficient compressive strength with a minimum pull-off strength of 1.5N/mm².
 - Clean up dust on the surface and surrounding area.
 - Remove oil and moisture on the surface as much as possible.
 - Remove old coating film using a scraper or paint remover if the area appears to be peeling off.
 - Testing should be done prior to full installation.
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Mixing time

- Mix each component separately for one minute prior to adding together.
 - Mix Part A and Part B for 1:1 by weight ratio in a container and mechanically mix for 1 ~ 2 minutes.
 - Add Part C by weight ratio of 5:1 to Part A in the container and mechanically mix for another 1 ~ 2minutes thoroughly.
 - If using accelerator, add up to 5% weight ratio based on Part A amount depending condition and mechanically mix it.
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Applying paint

- Apply the mixture on the surface evenly by using a trowel.
 - Recommended film thickness is 1mm.
 - Allow to dry over 12hrs. (20°C, 60% Humidity)
 - Before applying top coating, please sand it lightly with sand paper.
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Note

- When a coating surface is rough and uneven, you may need more than 1kg/m² amounts of the mixture.
 - Prepare the mixture only enough amounts to use up within 20 minutes.
 - Proper Installation temperature conditions are above 5°C and below 40°C, 41F -104F.
 - Clean the tools and container with cleaning thinner or mineral spirits after the application
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Safety precaution

- Refer to the Safety Data Sheets (SDSs) before use. FOR PROFESSIONAL USE ONLY.
 - Published technical data and instructions are subject to change without notice.
 - Contact your Somay-Q technology representative for additional technical data and instructions.
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Disclaimer

The information in this document is given to the best of Somay-Q's knowledge, based on laboratory testing and practical experience and is for guidance only. All recommendations relating to the use of Somay-Q products is dependable and to its best knowledge. Somay-Q's products are considered tools for skilled applicators with prerequisite knowledge. Somay-Q cannot be held responsible for surface and substrate preparation which is beyond Somay-Q's control. Somay-Q can only guarantee the quality of the product. Minor product variations may be implemented in order to comply with local requirements. Somay-Q reserves the right to change the given the date and application instructions and methods without further notice. Somay-Q should be consulted on specific problems and the general suitability of this product for end users specific requirements and specific application practices.