

Dr. Fixit Skimkote 103 Color Plus

Concrete coating and Skim Smoothing Rendering Paste

Description

Dr. Fixit Skimkote 103 Color Plus is a ready to use for mixing in cement and water. It used for coating of old or new concrete and uneven concrete surface. It is covering porous concrete surfaces that are not smooth as well. It is resistant to abrasion, acid rain, smoke, and car exhaust and chemicals. **Dr. Fixit Skimkote 103 Color Plus** is use color skim smoothing rendering paste available in a variety of colors. It use for repairing surface defects in concrete.

Dr. Fixit Skimkote 103 Color Plus is obtained by eliminating blemishes such as grooves, seams, fine cracks and rock pockets.

Area of Application

- Repair coating on bridge, fence, footpath, column
- Interior and Exterior areas shuttered concrete, concrete soffits, precast concrete, painted concrete including old paint, rendering, wallpaper installation
- New or old concrete coating, porous surface

Rate of uses

* Theoretical consumption without allowance for loss.

Rate of uses			
	kg /m ² / 1 mm. thickness	m ² /gallon (5 kg)	m ² /pail (20 kg)
	Standard		
1 Coat	0.5	10	40
2 Coat	0.5	10	40
Total 2 Coat	1	5	20

***2 Coats minimum**

Method of Application

1. Surface Preparation

Before applying **Dr. Fixit Skimkote 103 Color Plus** the following steps need to be applied:

- Clean surface and remove any dust, loose material or impurities.
- If necessary, roughen surface with appropriate device (e.g. abrasive blasting, brush hammering) until surface is even.
- Any damage or concrete defect should be repaired in advance.
- Surface must be saturated and dry.
- Close the hole or holes with large bubbles before applying **Dr. Fixit Skimkote 103 Color Plus**.

2. Applications

- It can be plastered with a steel trowel or a stainless steel trowel.
- First plastering, thinning and covering all pores and then wait for it to dry for about 1 hour, then sanding with glass sandpaper number 280 to focus on removing trowel joints.
- Second putty has to be thinly ironed and plastered over the surface. Then wait for it to dry for about 1 hour and then sanding with sandpaper No. 320 to focus on removing trowel joints.
- Should be plastered at least 2 -3 turns (thickness per layer 0.2-0.5 mm.)

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- Each round of plastering must wait for the first round to dry first will be plastered in the next round always plastering cycle; you have to wait for the first round to dry first. It will be plastered in the next round always.
- The complete drying time is 24-28 hours (depending on the thickness Of each putty layer and depends on the temperature)

3. **Applications** In case of use for protection of concrete surfaces, walkways, barrier panels, structural columns or under bridges
- Mixing ratio: 1:2 Use clean water mixed with **Dr. Fixit Skimkote 103 Color Plus** mix thoroughly.
 - Use a roller or paint brush to apply **Dr. Fixit Skimkote 103 Color Plus** onto the prepared concrete surface.
 - Must be applied at least 2 cycles and wait for the first plastering be dried. It therefore can be plastered over.

CLEANING

Clean the equipment with water immediately after finish working; wash your hand with soap and warm water

Precautions & Limitations

- Working temperature 5°C to 35°C
- Working in >35°C or sunny areas, heat will cause **Dr. Fixit Skimkote 103 Color Plus** cement mix to dry too quick to finish application
- Apply in shade and sprinkle water on application surface to reduce surface temperature & avoid quick drying issue
- Not suitable for application under constant water immersion such as water tanks
- Not suitable for flooring
- It is not recommended to apply one thick coat.

Technical Information

Properties	Standard/Test Method	Result Test
Appearance	-	paste
Solid content	ISO3251-2003	> 70%
Paste density (g./ml.)	ASTM D70-03	1.70 – 1.75
(pH)	pH meter	9.0-9.4
Penetration	@ 25°C, 150 g, 5 sec. /0.1 mm.	320
Setting time (mins)	ISO 1517-1973	~ 35 mins.
-1 Coat		~ 80 mins.
-2 Coat		~ 100 mins.
-3 Coat		
Adhesion to concrete	ASTM D4541	1.23 N/mm ²
-at 7 day		
Adhesion to concrete	ASTM D4541	1.10 N/mm ²
-(Immersed in water 7 day)		
Bond Strength by slant shear	(ASTM C882-13a)	>0.20 N/mm ²

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-7 day		>0.50 N/mm ²
-28 day		
Adhesion to paint with Skimkote 103 color plus -at 7 day	ASTM D4541	1.65 N/mm ²
Waterproofing	-	Pass.
Resistant to salt stains	-	Pass.
fungi and algae	-	Pass.
Initial Surface absorption, ml/(m ² /s)	BS1881 Part 208 : 1996	0.04
- At 10 minutes		0.02
- At 30 minutes		0.01
- At 60 minutes		
Water absorption %		15.47

Color Shade; White, cream, light blue and grey

Packing

- Gallon (5Kg), Bucket (20 kg)

Storage

- 12 month in sealed container kept under shade area

Health & Safety Precautions

- Avoid skin and eyes contact can cause irritation to skin, eyes and respiratory system. In case of contact with eye, rinse with plenty of water and immediately seek medical advice.
- It is advisable to use hand gloves and goggles.

Disclaimer

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Pidilite Bamco Limited (A group company of Pidilite Industries Ltd.)
 699 Modernform Tower 15,17 FL.,Srinakarin Rd.,Pattanakarn, Suan Luang, Bangkok 10250, THAILAND.
 T. +662 722-8535 F. +662 722-8381
 Website: www.dr-fixit.co.th
 E-mail: sales@pidilitebamco.com
 Helpline Call +662 722 8535 #101