



CL – FLEX 303

ACRYLIC BASED WATERPROOFING ADMIXTURE

DESCRIPTION

CL – FLEX 303 is a water-based acrylic waterproofing latex admixture. It acts as a water replacement for cement mortar, tile adhesive and tile grout.

USES

Suitable for the application of water contact areas, such as swimming pool, bathroom, balconies, external floor and the like.

FEATURES

- Superior waterproofing characteristic
- Increases adhesion strength
- Good alkaline resistance
- Increases compressive strength

CERTIFICATIONS

- TUV SUD PSB Singapore

TECHNICAL INFORMATION

Appearance : Milky white liquid
Density @ 25°C : Approx.1.0

Comparison table of tile adhesive before and after being modified with CL-Flex 303:-

Test	Tile Adhesive	Tile Adhesive modified with CL-Flex 303
Water Absorption @ 24hr (%)	13.70	1.47
Compressive Strength @ 28day (N/mm ²)	21	32
Adhesion Strength @ 28 day (N/mm ²)	1.23	1.66

SURFACE PREPARATION

Concrete surface should be sound, clean and free from oil, grease, laitance and loose contaminants. Absorbent surface should be damped with clean water prior to application of CL-Flex 303.

MIXING RATIO

The recommended quantity of CL-Flex 303 to be used can be guided by the following table:-

Material To Be Modified	CL-Flex 303 (litre per 20kg material)
Cement Mortar (cement : sand = 1:2)	3.0 – 4.0
Tile Adhesive	5.0 – 5.5
Tile Grout (Unsanded)	7.0 – 7.5
Tile Grout (Sanded)	4.5 – 5.0

MIXING AND APPLICATION

DO NOT DILUTE CL-Flex 303. Use mechanical mixer for better mixing. Place CL-Flex 303 in accordance to the recommended amount into a suitable size bucket. Slowly add in the powder and meanwhile stir thoroughly until a homogeneous mix is obtained. Let it slake for 5 minutes, then re-mix before apply. The mix should be used within 30 minutes. Should the mix become thicken or shows stiffening, it should be discarded. Further liquid or water should not be added as the reaction already started.

COVERAGE

Coverage will vary according to the material intended for their respective applications as below:-

- Cement mortar at 5mm thick : 0.6 m²/kg
- Tile adhesive at 3mm thick : 1.33 m²/kg
- Tile grout : coverage depends on tile size, please refer to grout colour chart.

SETTING TIME

At least 24 hours. Do not allow any traffic within the setting time.

SHELF LIFE

2 years when stored in cool and dry place, sealed in unopened container.

PACKING

Available in 4 litres tin and 20 litres pail.

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Disclaimer: Specification are subject to change without notification.



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