



CL – FLEX 808

HIGH PERFORMANCE READY-TO-USE LATEX ADMIXTURE / BONDING AGENT

DESCRIPTION

CL-FLEX 808 is a ready-to-use cement modifier, consisting of Ethylene-Vinyl Acetate (EVA) emulsion for enhancing the adhesion strength of cement mortar, tile adhesive cement, plastering cement, cement / sand screed, render repair compound, grouting cement and the like.

USES

CL-FLEX 808 is used as a water replacement additive in following applications: -

- Portland cement and sand screed / render for concrete and masonry
- For thick and thin bed tile installation.
- Joint filler, grouting cement, cement sand grout.
- Dry set cementitious adhesive such as CL-BOND.
- For plastering works.

FEATURES

- Improved flexural strength therefore reduced cracking.
- Increased tensile and compressive strength providing durability to thick bed tile installation.
- Increased chemical and water resistance of the mortar.
- Compatible with concrete or cementitious mortar.
- Convenient and facilitate quality control with its ready-to-use packing.

CERTIFICATIONS

- Admaterials Technologies Singapore
- Green Label Singapore

TECHNICAL INFORMATION

Appearance	: Milky white liquid
Density @ 25°C	: Approx. 1.0g/ml
Viscosity @ 25°C	: Approx. 100 cps
Open Time	: 30-40 min depending on climatic condition

CL-Flex 808 Modified 1:2 Cement Mortar:-

Tensile Pull-Out Strength (ASTM C190:1985) : > 1.3 N/mm²

CL-Flex 808 As Primer and Bonding Agent:-

Slant Shear Bond Strength : ≥ 3.0 N/mm² (Type I)
(ASTM C1059:1999) : ≥ 8.7 N/mm² (Type II)

Note: Subsequent finishing should be applied within 10 minutes or before the bonding agent start to dry.

SURFACE PREPARATION

All concrete surfaces must be cured. Uneven or cracked areas must be properly repaired. Remove all dust, dirt, oil, grease, wax, sealer or other foreign matter. Wash the surface with clean water and stiff bristle brush. Remove all excess water. Damp surfaces must be waterproofed prior application.

MATERIALS CONDITION

Cement	: Portland cement or composite cement confirming to BS EN197-1.
Sand	: Must be cleaned, washed and free from impurities. Typically BS EN13139.
Dryset tile adhesive	: CL-BOND or compatible tile adhesive.
Grout	: CL-GROUT or compatible joint / Grout Filler.

MIXING RATIO AND COVERAGE

Thick Bed Mortar: 1 bag Portland cement 50 kg
3 parts sand 150 kg
CL-FLEX 808 20 litre

Coverage: approximately 1m² to a depth of 100mm.

Dryset tile adhesive: 1 bag CL-BOND 20 kg
CL-FLEX 808 4 litre

Coverage: approximately 6m² with 3mm bed.

MIXING

DO NOT DULUTE CL-FLEX 808. Mix the appropriate proportion of powder and CL-FLEX 808 into a suitably sized bucket. Stir thoroughly until a slump free mix is obtained. Let it stand for 10 minutes, then remix. After slaking period, do not add water, CL-FLEX 808 or other ingredients. During use, remix occasionally.

SETTING TIME

At least 24 hours.

SHELF LIFE

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

PACKING

Available in 4 litre bottle, 20 litre pail and 200 litre drum.

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Disclaimer: Specification are subject to change without notification.



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