



CN – FLEX 1000

HIGH PERFORMANCE ADMIXTURE / BONDING AGENT

DESCRIPTION

CN-FLEX 1000 is a high performance cement modifier, consisting of Ethylene-Vinyl Acetate co-polymer (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. CN-FLEX 1000 comes in a concentrate form and has to be diluted at varying proportions in tandem with the intended applications. Its concentrate packaging also affords cost economies when diluted; especially if delivery to far away destinations is needed.

FEATURES

- Superior water resistance.
- Excellent alkaline resistance.
- Increases adhesion strength significantly.
- Good flexibility, which allows modified mortar to keep up with the moisture or thermal movement of the substrate.
- Compatible with concrete or cementitious mortar.
- Concentrates, which affords flexibility in application and cost economies.

CERTIFICATIONS

- Admaterials Technologies Singapore
- TUV SUD PSB Singapore
- Setsco Services Singapore
- Singapore Green Building Council ✓✓✓ Excellent
- Singapore HDB approved

SETTING TIME

At least 24 hours.

FIXES

- As water replacement additive in plastering cement, floor screed, tile adhesive cement, grouting cement, repair compound, texture mortar, portland cement and sand screed / render.
- As primer for the application of new cementitious mortar over various types of substrates.

TECHNICAL INFORMATION

Appearance : Milky white liquid
Density @ 25°C : Approx. 1.0 g/ml
Viscosity @ 25°C : Approx. 800 cps

CN-Flex 1000 modified 1:2 Cement Mortar (*) :-

Compressive Strength : > 15 N/mm²
Adhesion Strength : > 1.3 N/mm²

CN-Flex 1000 as Primer and Bonding Agent (*) :-

Slant Shear Bond Strength : ≥ 3.0 N/mm² (Type I)
(ASTM C1059:1999) ≥ 8.9 N/mm² (Type II)

Note (): CN-Flex 1000 dilute with water at 1:2. Subsequent finishing should be applied within 10 minutes or before the bonding agent start to dry.*

SHELF LIFE

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

PACKING

Available in 5kg, 20kg pail and 200kg drum.

TYPE OF WORK	THICKNESS	MIX PROPORTION	COVERAGE m ² /kg
(1) Surface preparation	The surface must be sound, thoroughly free from oil grease, tar and other contaminants. Clean the surface of the substrate with a brush to remove any laitance and brittle surface layer. Wash off with water, let it dry before proceeding with the application.		
(2) Primer	100 µm	CN-Flex 1000 : Water 1 : 2	15 – 20
(3) Mortar Finish	5 – 6 mm	Cement : Sand (≤2.5mm) + CN-Flex 1000 : Water 5 : 10 + 1 : 2	1.8
(4) Tiling	5 – 6 mm (Thick Setting Bed)	Cement : Sand (≤2.5mm) + CN-Flex 1000 : Water 5 : 10 + 1 : 2	1.8
	3 mm (Thin Setting Bed)	CL-Bond + CN-Flex 1000 : Water 12 + 1 : 2	4
(5) Cement Filling Compound For surface preparation	3 – 4 mm (Thin Coating)	Cement : Sand (≤1.2mm) + CN-Flex 1000 : Water 5 : 5 – 7.5 + 1 : 2	2.9
	1 – 2 mm (Repair finish pressure coating)	CL-Bond + CN-Flex 1000 : Water 12 + 1 : 2	5 @ 2mm

Note: CN-Flex 1000 has to be diluted with water before mixing with cementitious products.

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Disclaimer: Specification are subject to change without notification.