



# Flexi Bond

Globally Proven  
Construction Solutions

Flexi Bond is a specially designed latex additive for use with 211 Crete Filler Powder as a bond coat for uncommon substrates.



## FEATURES/BENEFITS

- Flexible and shock resistant
- Weather resistant for interior and exterior use.
- Safe, economical and easy to use; non-hazardous, nonflammable.
- Can be applied on damp — not moist substrates.

## USES

Used as bond coat for all types of cement base substrates as well as uncommon substrates. FLEXI BOND offers the speed and economy of bond coat with the permanent, water resistant dependability of Portland cement.

## MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)  
No. 38 Sungei Kadut, Street 2, Singapore 729245  
Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

## STANDARDS/CERTIFICATIONS

- ASTM D412
- ASTM C482
- ASTM D4541

### Suitable Substrates

- Concrete
- Cement Terrazzo
- Brick Masonry
- Cement Plaster
- Concrete Masonry
- Cement Backer Board\*\*
- Cement Mortar Beds
- Ceramic Tile and Stone
- Gypsum Wallboard (Interior Only)
- Stainless steel
- Galvanized sheet
- Aluminum
- Fiberglass
- Timber\*\*

\*Consult manufacturer for specific installation recommendations and to verify acceptability for exterior use.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored indoors and off the ground at temperatures >0°C and <40°C.

### Packaging

11.5e /pail

### Approximate Coverage

1 set (11.5litres of Flexi Bond + 23kg of 211 Crete Filler Powder) will cover about 30-32m<sup>2</sup> with about 1mm thick

### Cautions

Keep out of reach of children.

### TECHNICAL DATA

#### Performance Properties

Flexi Bond mixed with 211 Crete Filler Powder

| Test                               | Test Method | Results               |
|------------------------------------|-------------|-----------------------|
| Tensile Strength                   | ASTM D412   | >1.9N/mm <sup>2</sup> |
| Shear Bond Strength on Concrete    | ASTM C482   | >0.9N/mm <sup>2</sup> |
| Shear Bond Strength on Steel       | ASTM C482   | >0.7N/mm <sup>2</sup> |
| Adhesion Bond Strength on Concrete | ASTM D4541  | >1N/mm <sup>2</sup>   |
| Adhesion Bond Strength on Steel    | ASTM D4541  | >1.5N/mm <sup>2</sup> |
| Elongation at Break                | ASTM D412   | > 69%                 |

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

### Working Properties

Flexi Bond mixed with 211 Crete Filler Powder

|                  |  |
|------------------|--|
| Pot Life at 30°C | 1 hour   |
| Drying Time      | 1 hour, depending upon porosity of substrate and ambient temperature |
| Mixing Ratio     | 1 : 2  |

### INSTALLATION

#### Surface Preparation

All surfaces should be structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with LATICRETE Latex Portland Cement underlayment.

Installation may be made on a damp surface. Note: All slabs must be plumb and true to within 6mm in 3m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171-97 "Expansion Joints". Do not cover expansion joints with mortar. Cement Backer Board: follow TCA installation detail W244.

#### Mixing

Stir Flexi Bond thoroughly before use. Use approximately 11.5 liter of Flexi Bond to 23kg of 211 Crete Filler Powder. Place Flexi Bond in a clean plastic pail. Do not dilute. Add 211 Crete Filler Powder to Flexi Bond and mix to a smooth, trowelable consistency.

Allow mortar to slake for 3-5 minutes. Adjust consistency if necessary. Remix and apply with roller, brush or trowel.

**\*Actual mix ratio & field performance will depend on application methods, site condition and temperature.**

### AVAILABILITY AND COST

#### Availability

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

**Telephone:** (65) 6515-3028

**Fax:** (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

#### Cost

Contact a LATICRETE Distributor in your area.

### WARRANTY

LATICRETE SOUTH EAST ASIA PTE LTD warrants that Flexi Bond is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions stated in Data Sheet LATICRETE Product Warranty.

## MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## TECHNICAL SERVICES/ CONTACT

### Technical Assistance

Information is available by calling:

LATICRETE South East Asia Pte Ltd

(Level 2, A3)

No. 38 Sungei Kadut, Street 2,

Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

### Technical and safety literature

To acquire technical and safety literature, please visit our website at

[se.laticrete.com](http://se.laticrete.com)