

Product Data sheet

MEGA bond



Flexi-bond

Primer and cement enhancement Additive

Product Description

Flexibond is Styrene-acrylic copolymer designed to modify cement compositions, act as bonding agent between new and old surfaces and create a sound substrate when used as a primer on powdery surfaces.

It greatly promotes the following key properties when used as cement additive:

- Improve Flexibility
- Enhance Strength
- Enhance Adhesion
- Increase Durability
- Waterproof
- Reduce curing time

Common uses

- Used in a cement slurry or screed
- Mixed with Portland Cement, used to create an interface between bitumen and an Acrylic System.
- Used with cement or grout to waterproof.
- As primer on surface before tiling, plastering, skimming, screeding or painting.

Application

- STIR the contents thoroughly before use.
- For best effect, replace water with undiluted Flexibond when mixing concrete slurry. Use slurry as normal.
- The cement mixture must be Air-cured instead of Moist-cured for optimal performance.
- Can be used as key coat for plaster.
- Apply with using Paintbrush or Block brush, and allow overnight drying time between coats.
- CLEAN equipment with water immediately after use

Important application areas include: Waterproofing

- Patching and resurfacing
- Floor underlay
- Spray and fill coats

- Pre-cast architectural building panels
- Industrial cement floors
- Repair of highway and bridge deck

Storage

Store in cool and dry conditions out of direct sun light

Precautions

- Do not apply if rain is imminent.
- Apply at an ambient temperature of 5 to 35°C.
- Keep out of reach of children.
- Avoid eye contact. If contact did occur, clean with running fresh water and consult a physician if necessary.

Application

As additive:

- In cement: 5lt per 50kg bag of Portland Cement (10% addition)
- In tile grout: Mix a 1 part concentrate: 2 parts water solution into grout until workable viscosity is reached.
- For waterproofing: 15lt concentrate per 50kg bag, adjust viscosity using water

As Primer:

- Apply using brush in concentrate form.
- Painting over crestone sealer, dilute by 20% (1 Part concentrate: 5 parts water)
Spread rate:
Undiluted 4-6m² per 1lt, diluted 8 – 16m² per 1lt (depending on surface porosity and finish)

As key coat

- Apply two coats of a 1 part concentrate: 3 parts water mix on the surface using a brush

Available Colours

White liquid (clear when dry)

Package Size

Available in 1, 5, 20 and 200 Liters

Disclaimer: The information contained in this data sheet is provided in good faith and correct to the best of our knowledge, but Wall Craft Paints reserves the right to change these specifications if deemed necessary.

MATERIAL SAFETY DATA SHEET

Name: MEGABOND FLEXIBOND

Code: MBFB

Date Issued: 2011/03/26

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name: Megabond Flexibond Code: MBFB Date Issued: 2011/03/26

Other Names: Acrylic, PVA, Latex, emulsion paint

Shipping: Acrylic Copolymer coating, non-flammable

Chemical Description: Non pigmented acrylic copolymer emulsion paint

Wallchem Manufacturing

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email: info@megabond.co.za

In emergency contact Wallchem Manufacturing cc at +27-021-552-6132

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: White viscous liquid

Odour: Slightly Ammonia

pH: 8.0 – 9.5

Relative Density: 1.00 – 1.10

Shelf Life: Approximately 18 months

Volatile $\pm 11\%$

Soluble in Water: Yes

SECTION 3. BASIC PRODUCT INGREDIENTS

Aqua, Sodium Hexametaphosphate, Polymer, Silicone Free defoamer

SECTION 4. HAZARDS IDENTIFICATION

Hazardous Components: None

Dangerous Good Code: N/A

Hazchem Code: N/A

Flash Point: > 65°C

Non-Flammable Liquid

Main Hazard: Skin irritation

SECTION 5. FIRST AID MEASURES

First Aid

INHALATION: Inhalation of high vapor concentration may cause headaches, nausea, intoxication and difficulty breathing.

TREATMENT: Move to fresh air and ply artificial respiration or oxygen if necessary.

INGESTED: Induce vomiting. Drink lots of water. Seek Medical treatment if necessary

SKIN: Prolonged or repeated contact with the skin may irritate and cause dermatitis to skin. TREATMENT: Use hand cleaner/soap to clean contaminated areas. Use hand lotion to restore skin health. If any discomfort continues, get medical attention.

EYES: Immediately hold open eyes and flush with clean running water for at least fifteen minutes. Seek medical attention.

SECTION 6. FIRE FIGHTING MEASURES

Fire: N/A

Explosion Limit: N/A

Dust Explosion: N/A

Hazardous decomposition products: Smoke, Carbon Monoxide, Carbon Dioxide

Extinguishing Medium: Water, Foam, Carbon Dioxide, Dry Chemical Cool Drums

SECTION 7. ACCIDENTAL RELEASE MEASURES – SEE ALSO SECTIONS 5,8,13

Contain and collect. Isolate area and ensure good ventilation. Keep out of drains and sewers. Pump spillage into empty container and absorb residues in sand or vermiculite. Observe local regulations. Advise authorities.

SECTION 8. HANDLING AND STORAGE

Store in a cool dry location. Keep out of direct sunlight or frost. Avoid extreme temperatures. Do not leave the container open.

SECTION 9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Inhalation: In case of insufficient ventilation, use suitable respiratory protection.

Skin: Use barrier cream and impervious gloves.

Eyes: Avoid any form of contact or use personal protection.

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions. Syneresis may occur during prolonged storage. To remove Syneresis: Mixed product thoroughly and low rate to ensure ceramic beads do not get destroyed.

SECTION 11. TOXICOLOGICAL INFORMATION

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed

SECTION 12. ECOLOGICAL INFORMATION

Does not contain any known hazardous toxic or carcinogenic materials.

SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers. Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste.

SECTION 14. TRANSPORT INFORMATION

May be shipped normally as a nonhazardous material in accordance with transport and classification of Dangerous Goods Act (2006)

SECTION 15. REGULATORY INFORMATION

S2 – Keep out of reach of children

SECTION 16. OTHER INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.