



# IMPERIAL CORE BOND

## EIFS BASECOAT AND ADHESIVE MORTAR TECHNICAL DATA & APPLICATION INSTRUCTION

### PRODUCT DESCRIPTION

**Kingdom Products' Imperial Core Bond** is a multi use polymer modified cement based product for use as a EIFS basecoat and adhesive mortar. Can be used as a basecoat over EIFS applications and mortar substrates or as an adhesive for applying pre-manufactured, lightweight stone veneer. Can also be used as a structure coat on irregular shaped foam core designs when used with 3/4" AR Glass Fiber. Embed fiberglass mesh on traditional flat applications over EIFS as basecoat.

### BENEFITS/FEATURES

- Easy to mix & apply
- Mix only what you need
- One component - Just add water
- Cost Effective
- Excellent adhesion to polystyrene foam and mortar
- Bond Foam to Foam
- Bond Foam to Masonry
- Bond Masonry to Masonry

### RECOMMENDED APPLICATIONS

Use as an EIFS base coat with fiber-glass mesh. Base coat over masonry surfaces. Add AR Glass Fiber and use as a structure coat on any foam core design, even one with an irregular shape. Use as an Adhesive mortar for pre-manufactured, lightweight stone veneer.

### TECHNICAL INFORMATION

Pot Life.....	.45 min - 1 hour	Application Temperature.....	50°F - 85°F
Working Time.....	.45 min - 1 hour	Concrete Adhesion.....	Excellent
Wet Appearance.....	Gray	Freeze-Thaw Resistance.....	Excellent
Dry Appearance.....	Light Gray		

*\*\*Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.*

### APPROXIMATE COVERAGE RATES

Base coat with Mesh - 75-100 sq ft  
Adhesive for Stone Veneer or Foam to Foam/Masonry - 30-50 sq ft at 1/4"  
Structure Coat with AR Glass Fiber - 10-20 sq ft at 1/2"

### PACKAGING

**Imperial Core Bond** is stocked and sold in 50 lb bags, 48 Bags on a pallet

### STORAGE & SHELF LIFE

Keep product in a cool dry location in a tightly sealed container. Keep product stored at room temperature. Be sure product is at room temperature prior to use. Colder material may take longer to achieve final set time, while hot material may set very quickly. Avoid storing in damp or humid areas. Shelf Life is approximately 6-12 months depending upon environmental conditions. To extend shelf life, transfer any leftover material to a plastic pail with a gasketed lid.

To ensure excellent performance, all substrates must be structurally sound, clean & free from all contaminants such as dust, pollen, paint, sealers and curing compounds, existing primers, grease, laitance, loose or delaminating surface areas or any debris or substances that could impair proper adhesion. In extreme situations the substrate may be primed with *Kingdom Products' UPA-Universal Primer Activator*. Do not over apply primer that it blocks the porosity of the substrate. Allow the *UPA-Universal Primer Activator* to dry from milky white to clear and tacky then apply the **Core Bond** without delay. Can be adhered directly to dry foam or damp foam with no standing water. For masonry surfaces dampen substrate before applying with no standing water.

## MIXING

All equipment should be clean prior to mixing. In a clean 5 gallon pail or mixing drum Add 1 - 1.5 gallons of cool, clean potable water to one 50lb bag of **Core Bond**. Add approximately 3/4 of the water required and mix with a drill or paddle mixer, continue to add the remaining water needed to achieve the desired mix consistency for the application and mix for 3-5 minutes. Let material slack for 5 minutes then remix and apply material. If mixing as a **structure coat** for irregular foam shapes add **1.2 lbs AR Glass Fiber** per 50 lb bag after adding the final amount of water and mix thoroughly as directed above.

## APPLICATION

### EIFS or MORTAR ADHESIVE:

After mixing product to a paste like consistency apply approximately 1/4" of **Core Bond** to the back of the foam or stone veneer and press into place. If applying to masonry dampen the substrate prior to application. **Core Bond** adheres to directly to clean foam with no need for primer.

### BASE COAT:

**Core Bond** can be machine or hand applied in this application. Apply the Core bond at approximately 3/16" to 1/4" to substrate. Embed fiberglass mesh in the basecoat for increased impact resistance. Allow to cure for at least 24 hours and then apply finish coat of *Kingdom Products' Imperial Vertical Wall Mix, Imperial Stucco Mix* or any other masonry coating suitable for these applications .

### STRUCTURE COAT (Masonry, Foam and irregular foam shapes):

**Core Bond** can be machine or hand applied in this application. After adding AR Glass Fiber apply Core Bond approximately 1/2" thick. Foam and Masonry substrates should be clean and dust free before application. Allow to cure for at least 24 hours and then apply finish coat of *Kingdom Products' Imperial Vertical Wall Mix, Imperial Stucco Mix* or any other masonry coating suitable for these applications .

## PRECAUTIONS AND LIMITATIONS

- Apply **Core Bond** to a properly prepared CURED substrate! Do not apply over dust, dirt, debris or a previously sealed surface until all of the sealer has been removed.
- **DO NOT** overwater this product!
- Avoid using in temperatures below 50°F or above 85°F. Maintain above 50°F during curing cycle.
- **Core Bond** may reflect moving cracks and control joints. Be sure to re-cut control joints.
- The proper application of this product is the sole responsibility of the end user. Supervision and quality control are the sole responsibility of the end user.
- **Not suitable for application over wood substrates**

## SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and Technical Data Sheets (TDS) and read Warranty information prior to use. **FOR PROFESSIONAL USE ONLY!** Always install a test area or job site mock up for owner approval of acceptable color, texture, finish adhesion and any other critical requirements prior to proceeding with the installation. Verify that the most current versions of the Technical Data Sheets (TDS) and installation guidelines are being utilized.