



# BLOXEMENT

## *Bituminous Emulsion Wood Block Bonding Adhesive*

### 1. Product Description

a. **Basic Use:** Bloxement is a bituminous emulsion adhesive designed to fasten or secure wood block to any structurally sound concrete or wood substrate.

b. **Features/Benefits:**

- Low modulus property absorbs impact as well as movement due to contraction and expansion caused by temperature and humidity variations.
- Fast setting adhesive permits full service of floor within 3 to 4 hours after application.
- Simple to use, does not require special tools, equipment or skills.
- Contains no volatile solvents with no risk of fire hazard or toxic odors.
- Tenacious bonding properties prevent blocks from shifting, creeping and popping.
- Water-based adhesive conforms to VOC regulations.
- May be used at full strength or diluted with water depending upon project requirements.
- Permanently bonds wood blocks with waterproof and weatherproof characteristics.
- Adhesive penetrates deep into porous surfaces to provide firm anchorage.
- Positive adhesion prevents blocks from breaking loose under the impact of heavy traffic.
- One year shelf life when stored in sealed containers.

c. **Typical Applications:** Wood block adhesive for floors in factories, loading docks, warehouses, and manufacturing facilities.

d. **Limitations:** Bloxement should not be used as a structural adhesive. Do not use when ambient and substrate temperatures are below 40°F (4°C).

e. **Composition:** Bloxement is a single component, water based bituminous emulsion.

f. **Color/Appearance:** Bloxement is available only in black

### 2. Packaging

Bloxement is supplied in two standard units. Standard packaging is shown below:

<i>Unit Size</i>	<i>Shipping Wt.</i>
<i>5-gal. (18.9 liter) pail</i>	<i>45 lbs. (20.4 Kg)</i>
<i>55-gal. (208.6 liter) drum</i>	<i>500 lbs. (226.8 Kg)</i>

### 3. Estimating/Coverage

Six (6) gal. (22.7 liters) of Bloxement are required for priming and bonding 100 sq. ft. (9.3 sq. m) of wood block. Additional material is required if blocks are "battered" or "plastered" during the setting operation.

### 4. Technical Data

The bond strength of Bloxement is stronger than the tensile strength of the base concrete.

### 5. Directions for Use

a. **Preparation:** The substrate to be coated with Bloxement must be physically and structurally sound, thoroughly clean, free of oil, and other deleterious materials. The substrate must be smooth and level.

b. **Priming:** For each 100 sq. ft., (9.3 sq. m) measure out 1 gal. (3.8 liters) of Bloxement. Dilute with equal quantity of water. Apply this mixture to the sub-floor and scrub in well.

c. **Bonding Coat:** Spread Bloxement evenly over the primed base. Apply as received in the container, without dilution, at the rate of 5 gal. (18.9 liters) per 100 sq. ft. (9.3 sq. m)

d. **Setting the Blocks:** There are two acceptable procedures. The simplest is to allow the bonding coat to dry until it becomes tacky. Blocks are then placed in staggered joint pattern over tacky bond coat.

For a more securely bonded job, butter edges of blocks the way a bricklayer trowels mortar onto the edge of each brick, and then set the block into position. A variation of this procedure is to dip each block partially in Bloxement before setting in position.

In all cases, the blocks should be driven securely into place, making sure they are level and tight.

e. Curing: Bloxement will set in approximately 3 to 4 hours accepting full service and traffic loads.

f. **Clean Up:** Bloxement may be dissolved and removed with Waterzall Concentrate and warm water before it hardens. Dried or hardened material may be removed from tools and equipment with DL Solvent.

g. **Maintenance:** Should a wood block loosen, shift or pop out, additional Bloxement may be applied to secure back in place.

## 6. Availability

Bloxement is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

## 7. Warranty

Bloxement is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

## 8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



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