

# Basic Composition

90% Portland cement and sand with selected additives. Contains no asbestos, formaldehyde, gypsum, paper facing, or abrasive aggregate.

## 1/4" HardieBacker® cement board:

**Sheet size:** 3' x 5' (EZ Grid® board) and 4' x 8'

**Thickness:** 1/4" Weight: 1.9 lbs. psf (9.3 kg/m<sup>2</sup>) Complies with ASTM C1288 & ANSI A118.9

## HardieBacker® 500 cement board:

**Sheet sizes:** 3' x 5' and 4' x 8'

**Thickness:** .42" Weight: 2.6 lbs. psf (12.7 kg/m<sup>2</sup>) Complies with ASTM C1288 & ANSI A118.9

# Materials Required

## 1. Mortar

### For floors:

- Latex or acrylic modified thinset (complying with ANSI A118.4).
- Dry-set mortar for use between subfloor and cement board only (complying with ANSI A118.1).
- For walls and countertops:
- Latex or acrylic modified thinset (complying with ANSI A118.4).
- Type 1 mastic (complying with ANSI A136.1).

## 2. Tape

- 2" wide high-strength alkali-resistant glass fiber tape.

## 3. Fasteners

### For floors and walls:

- Minimum 1-1/4" long corrosion-resistant roofing nails.
- Minimum 1-1/4" long No. 8 x 0.375" HD self-drilling corrosion-resistant ribbed waferhead screws.
- If compliance with ANSI A108.11 is not required, minimum 1" long No. 8 x 0.323" HD self-drilling corrosion-resistant ribbed buglehead screws may be used for floors.
- If applying HardieBacker 500 cement board over gypsum, use minimum 1-3/4" long corrosion-resistant roofing nails.

### For countertops:

- Minimum 3/4" long corrosion-resistant roofing nails.
- Minimum 3/4" long ribbed counter sinking corrosion-resistant screws.
- 18-gauge corrosion-resistant polymer coated 3/4" staples with a 1/4" crown.
- For HardieBacker 500 cement board, use minimum 1-1/4" long corrosion-resistant roofing nails or ribbed countersinking screws.
- For vinyl and resilient flooring:
- Minimum 7/8" long galvanized or polymer-coated 18-gauge chisel point staples with 1/4" crown.
- Minimum 7/8" long galvanized ring shanked nails.
- Fasteners should be long enough to reach the bottom of the subfloor, but not penetrate it.
- Avoid using resin, rosin or cement-coated fasteners that can discolor vinyl flooring.

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### For Floors and Countertops

¼" HardieBacker Cement Board

Sheet size: 3' x 5' (EZ Grid) and 4'x8'

Thickness: 0.25"

Weight: 1.9 lbs. psf (9.3 kg/m<sup>2</sup>)

### For Walls, Floors, and Countertops

HardieBacker Cement Board ProGrid™

Sheet Size: 3'x5' (ProGrid) and 4'x8'

Thickness: 0.42"

Weight: 2.3 lbs./ft<sup>2</sup> (11.23 kg/m<sup>2</sup>)  
(ProGrid™)

## Tools/Materials

### Cutting

- Scoring tool or utility knife
- Shears

### Bonding

- ¼" square notched trowel - for use with thinset
- 5/32" v-notched trowel - for use with mastic
- Latex or acrylic modified thinset (complying with ANSI A118.4)
- Type 1 mastic (complying with ANSI A136.1) – for countertops only
- Dry-set mortar (complying with ANSI A118.1) – for use between subfloor and cement board only
- 2" wide high-strength alkali-resistant glass fiber tape