

Tile Backer Board and Flooring Underlayment Comparison Chart

| | | HardieBacker® Cement Board with HydroDefense™ Technology | HardieBacker® 500 Cement Board | HardieBacker® Cement Board | | |
|-------------------------|---|---|--|----------------------------|-------------|---|
| | | Thickness | 0.42" | 0.42" | 1/4" | |
| | | Ideal For | Walls | Walls | Floors | |
| PRODUCT CHARACTERISTICS | | WHY IT MATTERS | | | | |
| WATER PROTECTION | Resists moisture | Inhibits the damaging effects of water | ✓ | ✓ | ✓ | |
| | MoldBlock® Technology | Protects the board from mold & mildew growth | ✓ | ✓ | ✓ | |
| | 100% Waterproof | Eliminates the need of manually waterproofing the whole board | ✓ | | | |
| | Waterproof composition throughout board | Protect the investment with confidence – 100% waterproof throughout the board | ✓ | | | |
| MATERIAL CONSTRUCTION | 90% Portland cement & sand | Provides long lasting durability | ✓ | ✓ | ✓ | |
| | No abrasive aggregate or filler, glass-fiber free | Uses high quality ingredients that stand up over time | ✓ | ✓ | ✓ | |
| | Cuts clean: minimal dust & debris | Cut indoors, no power tools needed | ✓ | ✓ | ✓ | |
| | Score & Snap cut capability with handtool | Significantly less dust than other boards | ✓ | ✓ | ✓ | |
| | Color indicator (red/pink color) | Quickly identifies the smooth side to be positioned "out" | ✓ | | | |
| | EZ Grid™ surface | Grid on board for straight cuts and a fastener pattern to facilitate fastening to subflooring | | | ✓ | |
| CREDENTIALS | UL Greenguard® Gold Certified† | Low chemical emissions promote healthier indoor air quality | ✓ | ✓ | ✓ | |
| | ASTM E136 non-combustible | Safe material that will not ignite or burn when subjected to heat or fire | ✓ | ✓ | ✓ | |
| | Passes ANSI A118.10 testing | Meets industry standards to protect wall cavity from moisture penetration | ✓ | | | |
| | Flexural strength (psi) | Greater protection against cracked mortar & tile | 1700 | 1700 | 2100 | |
| | Compressive strength | Provides solid foundation for tile installation | 6500 | 6500 | 7000 | |
| SIZES | 3 ft. x 5 ft. | Sized to a standardized tub/shower enclosure; can be handled by one person | ✓ | ✓ | ✓ | |
| | 4 ft. x 8 ft. | Aligns with 16" on-center studs; same dimension as standard drywall sheets | | ✓ | ✓ | |
| WHERE TO USE | | WHY IT MATTERS | | | | |
| APPLICATIONS | Interior | Showers/tub enclosures | ✓ | ✓ | ✓ | |
| | | Walls | ✓ | ✓ | | |
| | | Ceilings | ✓ | ✓ | | |
| | | Floors | ✓ | ✓ | ✓ | |
| | | Countertops | Also use as an underlayment for all tile, vinyl and wood flooring applications | ✓ | ✓ | ✓ |
| | | Back splash | ✓ | ✓ | ✓ | |
| | | Fireplace | ✓ | ✓ | | |
| | Exterior ONLY IN HZ10 ZONES** | BBQ & grill islands | Provides rigid framework for custom designed/built outdoor kitchens, fireplaces and fire tables. | ✓ | ✓ | ✓ |
| | | Fireplaces & fire tables (above ground) | Creates a structure to adhere stone, brick, synthetic or natural stucco | ✓ | ✓ | ✓ |

*According to the 2019 Tile and Stone Installation Contractor Market Study conducted by Clear Seas Research in partnership with the NTCA and TILE Magazine. **HZ10 Areas include: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Texas. HZ10 also includes portions of: Arizona, California, Nevada, New Mexico, Oregon, Washington. For further details, see jameshardiepros.com/explore/the-hardiezone-system. †UL Greenguard Gold Certified for residential or commercial use including schools and healthcare facilities. © 2020 James Hardie Building Products Inc. All Rights Reserved. TM, SM, and ® denote trademarks or registered trademarks of James Hardie Technology Limited. HB2005 05/20