

1/2" BACKERBOARD COMPARISON CHART

	GreenEBoard	HardieBacker 500	Durock Board	Wonderboard	PermaBase	DenShield Board	Fiberock Aqua-Tough Interior Panel & Backerboard	Green Gypsum Board
PRODUCT COMPOSITION	Magnesium Oxychloride Blend	Portland cement, ground sand	Portland cement, aggregate, glass-fiber mesh	Portland cement, aggregate, glass-fiber mesh	Portland cement, aggregate, glass-fiber mesh	Gypsum, fiberglass mat w/acrylic coating	Engineered gypsum fiber core	Gypsum with paper facing
Flexural Strength (psi)	900 (6.14 Mpa)	1700	750	900	750	Not indicated	Not indicated	Not indicated
Compressive strength (psi)	*Core Hardness N=2674	6500	2300	2500	2250	450 - 600	500	Not indicated
Recommended for shower areas by ANSI (American National Standards Institute) or CCMC	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Approved for use in residential steam room applications	with vapor barrier	Yes	Yes	Yes	Yes	With Limitation	No	No
Gypsum-free	Yes	Yes	Yes	Yes	Yes	No	No	No
Contains glass fibers	No	No	Yes	Yes	Yes	Yes	No	No
Cuts cleanly & easily	Yes	Yes	No	No	No	Yes	Yes	Yes
Non-abrasive	Yes	Yes	No	No	No	Yes	Yes	Yes
Preprinted fastener pattern	No	Yes	No	Yes	No	No	No	No
Warranty	Lifetime limited: transferable, material and labor	Lifetime Limited: transferable (material and labor)	30 Year limited: transferable	Lifetime Limited: non-transferable	30 Year Limited: non-transferable	Lifetime Limited; non-transferable	20 Year Limited: transferable	May vary by manufacturer; non-transferable
Weight (lbs./sq.ft.)	2.25	2.6	3	3	3	2	2	1.8
Characteristics	This product is manufactured with a patent pending proprietary formula of Magnesium Oxychloride cement, with other natural components. Product contains no toxins, no VOCs, no silica. Scores with a conventional utility knife. Easy to install. Approved by CCMC as a wet backerboard for walls and floors. Passed highest rating of "extra heavy" for floors under ASTM 627.	This product contains Silica Crystalline Quartz and Carbon Black. There are warnings from 3 different institutions: California Proposition 65 Warning, International Agency for the Research on Cancer and The National Toxicology Program warn about the carcinogenic potential of using this product.	This product contains Silica Crystalline Quartz and Gypsum. No toxicology information provide for Gypsum. Contains aggregate; can scratch porcelain and enamel surfaces. Product must be scored on both sides and glass mesh must be cut after snapping. When not tiled over, can only be painted in small areas because board is designed to micro-crack (Durock FAQ's, www.usg.com).	Contains aggregate; can scratch porcelain and enamel surfaces. Product must be scored on both sides and glass mesh must be cut after snapping. Data on ASTM tests for mold growth not available.	Contains abrasive aggregate; can scratch porcelain and enamel surfaces. Product must be score on both sides and glass mesh must be cut after snapping.	Tile wall applications have a maximum total weight limit of 4 lbs per square foot; tiles cannot be larger than 3/8" x 14" x 14" (DenShield product guide, www.gp.com).	Fiberock is not approved by the International Building Code for use in wet areas. Product composition is almost identical to greenboard; contains over 80% gypsum, which can disintegrate in wet areas. Additional warranty information: not warranted for tile greater than 14" x 14" or less than 6" x 6".	The 2006 International Residential Code (IRC) disallows the use of greenboard in wet areas. Product has gypsum core that can disintegrate with continuous moisture exposure and paper facing that serves as food source for mold. ANSI AN-3.5.1.1 and gypsum manufacturers caution against using greenboard in wet areas (www.gp.com, www.nationalgypsom.com, www.usg.com).