

Figure 1: Plastic Lumber Product Ratings

Brand (Company)	Composition Plastics / Other	Recycled Content (%)		Notes
		Post-consumer	Total	
Most Environmentally Preferable				
Bear Board (Engineered Plastic Systems)	HDPE	100	100	A
Millennium Lumber (BJM Industries)	HDPE, LDPE	100	100	A
Orcaboard (Durable Plastic Design)	HDPE	100	100	A
PlasTEAK (PlasTEAK)	HDPE	100	100	A
Select (Bedford Technology)	HDPE, LDPE	100	100	A
HDPE lumber (U.S. Plastic Lumber)	HDPE	90	90	A
Leisure Deck (The Plastic Lumber Company)	HDPE	80 to 95	100	A
Everlast (Everlast Plastic Lumber)	HDPE	80	100	A
Eco-Tech (Eco-Tech)	HDPE	75 to 100	95 to 100	A
Ameriwood (American Plastic Lumber)	HDPE, LDPE	75 to 95	85 to 95	A
Enviro-Curb (Enviro-Curb Manufacturing)	HDPE	75	100	A
MAXITUF (Resco Plastics)	HDPE	60	100	A
Perma-Deck Advantage+ (Cascades)	HDPE	50	100	A
Eco-Tuff (Eco-Tech)	HDPE	50	90	A
BreezeWood (Aeolian Enterprises)	HDPE	50	50	A
Environmentally Preferable				
Perma-Deck Elegance (Cascades)	HDPE / wood	50	100	B
Rhino Deck (Master Mark Plastics)	HDPE / wood	50	100	B
Plasboard (Northern Plastic Lumber)	HDPE, LDPE, PP / R	75	100	C
Less Environmentally Preferable				
Evolve, Perma-Poly (Renew Plastics Division)	HDPE	NA	90	D
Four Seasons (Delmarva Industries)	HDPE	0	100	D
WindRiver Fence (Aeolian Enterprises)	HDPE	0	0 to 30	D
Dream Composite Deck (Thermal Industries)	HDPE, LDPE / rice hulls, paper pulp	33	100	E
ChoiceDek (A.E.R.T., Inc.)	HDPE, LDPE / wood	30	100	E
CorrectDeck (Correct Building Products)	PP / wood	1 to 20	70	E
Trex Origins (Trex)	HDPE, LDPE / wood	some	100	E
Geodeck (Kadant Composites)	HDPE / cellulosic fiber, minerals	0 to 35	40 to 85	E
fiberon (Fiber Composites)	HDPE, LDPE / wood	NA	50 to 100	F
Latitudes Decking (Universal Forest Products)	HDPE / wood	NA	75 to 88	F
Veranda (Universal Forest Products)	HDPE / wood	NA	75 to 88	F
Monarch (Green Tree Composites)	HDPE / wood	0	75 to 80	F
WeatherBest Select (Louisiana-Pacific)	HDPE / wood	0	60 to 95	F
CrossTimbers (Elk Composite Building Products)	PP / wood	0	66	F
Evergrain (Epoch Composite Products)	HDPE, LDPE / wood	NA	NA	F
Oasis Composite (Alcoa Home Exteriors)	HDPE / wood	NA	NA	F
TimberTech (TimberTech)	HDPE / wood	NA	NA	F
Polywood nonstructural (Polywood)	HDPE, PS	50	100	G
Not Environmentally Preferable Except for Structural Applications				
Ameriwood-Plus (American Plastic Lumber)	HDPE, LDPE / FG	75 to 95	85 to 95	H
Trimax (U.S. Plastic Lumber)	HDPE / FG	65	65	H
FiberForce (Bedford Technology)	HDPE, LDPE / FG	50	95	H
Polywood (Polywood)	HDPE, PS	30	100	H
Not Environmentally Preferable – Avoid				
Boardwalk (CertainTeed)	PVC / wood	0	45 to 50	I
Country Estate (Nebraska Plastics)	PVC	0	0	I
Deck Lok (Royal Crown)	PVC	0	0	I
Deck/Dock (Wastech Fencing)	PVC	0	0	I
Dream Deck (Thermal Industries)	PVC	0	0	I
EverNew, Bufftech (CertainTeed)	PVC	0	0	I
Forever-Wood (Forever Wood)	PVC	NA	94	I
Oasis PVC Deck (Alcoa Home Exteriors)	PVC	0	0	I
Procell (Procell Decking Systems)	PVC / flax	0	<20	I
Sheerline (L.B. Plastics)	PVC	0	0	I
Synboard (Synboard America)	PVC	NA	NA	I
VEKAdeck (VEKA)	PVC	0	0	I
vinyl decking (Poly Vinyl Creations)	PVC	0	0	I
eon (CPI Plastic Group)	PS	0	0	J
XPotential (Xpotential Products)	Many types	30	100	K

FG = fiberglass HDPE = high-density polyethylene LDPE = low-density polyethylene
 PP = polypropylene PS = polystyrene PVC = polyvinyl chloride R = rubber

Notes to Figure 1

Total recycled content may include scrap generated from manufacturing. For wood-plastic composites, the total recycled content includes wood and plastic. These composites are typically 50 to 75 percent wood.

Avoid products from companies not listed on this chart until they provide product information. See Appendix of report for a list of companies who did not respond to our information requests.

- A High post-consumer recycled content, high potential recyclability, AND made from resins associated with fewer environmental health hazards throughout their lifecycle.
- B Good recycled content but end-of-life recyclability hampered by wood-plastic mixture.
- C High recycled content but made with a mixture of recycled resins which could limit applications as well as end-of-life recyclability.
- D Low or unknown post-consumer recycled content; similar products with higher post-consumer recycled content available.
- E Some post-consumer recycled content but end-of-life recyclability still hampered by wood-plastic mixture.
- F Zero or unknown post-consumer recycled content AND combines wood or other cellulosic material with plastic hampering end-of-life recyclability.
- G Made with recycled pre-consumer polystyrene. Virgin polystyrene is a material associated with a hazardous production process.
- H Made with polystyrene or fiberglass, materials associated with greater health hazards during their lifecycle. These products have added strength for demanding structural applications and their use may be justified for these situations; otherwise avoid.
- I Made with virgin PVC, a material associated with greater environmental health hazards throughout its lifecycle and that has few recycling options.
- J Made with virgin polystyrene, a material made with known and suspected human carcinogenic materials.
- K Contains auto-shredder fluff, which can contain brominated flame retardants and heavy metals.

Disclaimer: Neither the Healthy Building Network nor the Institute for Local Self-Reliance has tested or assessed any of these products for material content or performance. In addition, we could not fully assess the nature of additives and did not rate these products based on toxicity of additives such as color pigments.

Source: Healthy Building Network (HBN), 2005. Data for 15 companies was collected via HBN's February 2005 Web-based survey. For the other 29 companies, data is based on visiting the manufacturer's Web site and/or by contacting the company.