

**BUILD AN
OUTDOOR OASIS
LIKE NO OTHER.**





UNMATCHED INNOVATION FOR AN ENCHANTING OUTDOOR SPACE.

When you're dreaming up the perfect deck, pergola, or other outdoor haven, you're not thinking about maintenance and durability. And you shouldn't have to. With REVOLVE engineered composite lumber you never have to compromise looks for longevity.



YOU JUST MIGHT FOOL YOUR FRIENDS.

REVOLVE uses the latest technology to deliver the most convincing authentic look and feel the wood-alternative industry has ever seen. Once you touch REVOLVE, you won't consider any other composite. REVOLVE's texture, matte finish, timeless colors, and great feeling under foot give you all the things you love about wood, without all the drawbacks. Plus, its slip-resistant surface makes REVOLVE even safer.

SPOTLESS WHILE YOU BARELY LIFT A FINGER.

We know you want to spend your time outside enjoying life to the fullest, not doing lots of labor. Unlike wood-plastic composite lumber which absorbs moisture, dirt, and spills, REVOLVE is engineered to repel them. So it will not peel, rot, splinter, or weather. You'll never have to stain, sand or paint REVOLVE. And cleaning it is as simple as a spray of the hose.

PEACE OF MIND FOR A LIFETIME.

REVOLVE's quality is backed by a 25-year limited warranty. It's a deck to be proud of today and peace of mind for a lifetime.

EXHILARATE YOUR OUTDOORS.

REVOLVE is an excellent solution for all residential, municipal, or commercial projects of any scale. Talk to your dealer or builder today to get started on your outdoor oasis.

WEATHERED CEDAR



CALIFORNIA REDWOOD



COASTAL DRIFTWOOD



SQUARE EDGE

Square edge boards create traditional, gapped-board installations. They can be installed with the screw-down method.

GROOVE & GROOVE

Groove and groove boards mimic the look of traditional gapped decking but float on deck clips, for added stability without a visible fastener.

CUSTOM COMPONENTS

REVOLVE is available in 5/8" x 12-5/32" Square Edge for fascia and 1/2" x 8" Square Edge for stair risers.

TECHNICAL PROPERTIES

MECHANICAL PROPERTIES @ 70°F	ASTM	AVERAGE VALUE
DENSITY/SPECIFIC GRAVITY (G/CC)	D792	0.7025
IZOD IMPACT (FT*LB/IN)	D256	0.849
SHORE HARDNESS	D2240	48
CHEMICAL RESISTANCE	D543	SEA WATER = 0.30% GASOLINE = 6.10% #2 DIESEL = 3.03%
HEAT DEFLECTION TEMPERATURE	D648	52.1°C (125.8°F)
COEFFICIENT OF FRICTION – EMBOSSSED	D2394	AVE: 0.56 DRY/0.35 WET
SCREW WITHDRAWAL (LBF)	D6117	538
COMPRESSION PARALLEL TO GRAIN	D6108	880 PSI (COMP STRENGTH) 53,374 PSI (MOE)
COMPRESSION PERPENDICULAR TO GRAIN	D6108	841 PSI
TENSILE PROPERTIES (MOE)	D638	106,093 PSI
WATER ABSORPTION (24 HR)	D570	< 0.1
ABRASION RESISTANCE (MG)	D4060	114.3
FLAME SPREAD	E84	CLASS C
FLEXURAL – MODULUS OF ELASTICITY (MOE)	D6109	115,657 PSI (SECANT)
MODULUS OF RUPTURE (MOR)	D6109	1814 PSI
COEFFICIENT OF THERMAL EXPANSION (IN/IN/°F)	D6341	4.72 X 10 ⁻⁵

ALLOWABLE SPAN LIMITS* OC

	RESIDENTIAL 60 PSF	COMMERCIAL 100 PSF
L/240	16"	16"

DEFLECTION TYPICAL* (INCH)

	SPAN LENGTH (INCH)		
UNIFORM LOAD	12"	16"	24"
60 PSF	0.003	0.010	0.053
100 PSF	0.006	0.017	0.088

* Deflection values reflect REVOLVE'S expected instantaneous Elastic Deflection as described by ASTM D6662 using Effective MOE ASTM D6109. To reduce bowing and board movement, 16" joist spacing is recommended for REVOLVE products.

INSTALLATION

REVOLVE lumber can be fabricated and installed with the same tools used to work wood lumber. This product will cut and drill very cleanly. There is no grain to split or chip and no knots to bind tools or bend fasteners. Standard woodworking safety equipment should be used when working with the material, as well as safety glasses or goggles. Please reference the REVOLVE lumber installation guide.

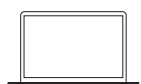
LIMITATIONS

Building code regulations vary by region, so all users should consult local building and safety codes prior to installation for specific requirements.

TECHNICAL SERVICES

Technical inquiries should be directed to RENEW Plastics at **1-800-666-5207**.

NOTE: 1 1/4" x 5 1/2" REVOLVE square edge and groove & groove profiles used in testing data at various lengths required by the ASTM test method noted. This testing was performed by an independent 3rd party testing agency in or before June 2015.



Seeing all the possibilities can help spark your imagination. Visit us at **renewplastics.com** for inspiration.

