

RESOLUTION NO. R03-08 CMS

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO FILE A
"CLOSE THE LOOP" GRANT APPLICATION AND ENTER INTO AN AGREEMENT WITH
THE LORAIN COUNTY BOARD OF COMMISSIONERS THROUGH THE LORAIN COUNTY
SOLID WASTE MANAGEMENT DISTRICT FOR THE PURPOSE OF ACQUIRING FUNDS
THROUGH THE RECYCLING AND COMPOSTING GRANT PROGRAM PURSUANT TO
THE LORAIN COUNTY SOLID WASTE MANAGEMENT PLAN AND DECLARING AN
EMERGENCY**

WHEREAS, the Lorain County Solid Waste Management District has established the Close the Loop Recycling Market Incentive program to encourage the use of products manufactured from post-consumer recycled materials; and

WHEREAS, the "Close the Loop" program is an important component of the District's Solid Waste Management Plan; and

WHEREAS, the Lorain County Board of Commissioners provides through the Lorain County Solid Waste Management District funds in the form of matching grants for the purchase of recycled content products; and

WHEREAS, the City of Oberlin seeks to acquire funding to make necessary improvements at the Hamilton Street Recreation Complex.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Oberlin, County of Lorain, State of Ohio, 5/7ths of all members elected thereto concurring:

SECTION 1. That the Oberlin City Council hereby endorses and supports the "Close the Loop" application for funding.

SECTION 2. That the City Manager is hereby authorized to apply for and, if awarded, execute an agreement with the Lorain County Solid Waste Management District to administer a grant to implement said program.

SECTION 3. That the Oberlin City Council hereby requests that the Lorain County Solid Waste Management District consider and fund the program as described in the application.

SECTION 4. It is hereby found and determined that all formal actions of this Council concerning or relating to the adoption of the Resolution were adopted in an open meeting of this council and that all deliberations of this Council and of any of its committees that resulted in such formal action were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

SECTION 5. That this Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, safety and welfare of the citizens of Oberlin, Ohio, to wit:

"to allow for the timely submission of the grant application"

and shall take effect immediately upon passage.

PASSED: 1st Reading - April 21, 2003 (E)
2nd Reading -
3rd Reading -

ATTEST:


CLERK OF COUNCIL


CHAIR OF COUNCIL

POSTED: 4/22/03

EFFECTIVE DATE: 4/22/03

CITY OF OBERLIN

85 SOUTH MAIN ST. OBERLIN, OH 44074

Public Works Department

April 11, 2003

TO: Rob DiSpirito, City Manager
FROM: Jeff Baumann, Public Works Director
RE: Close the Loop grant application

The Lorain County Solid Waste Management District (LCSWMD) has developed a "close the loop" recycling market incentive program which provides grant funds for the purchase of recycled-content materials.

Public Works staff has prepared the draft application (attached) to assist in the purchase of recycled-content materials for improvements at the Hamilton St. Recreation Complex. Two projects are included in this application. Funding for the purchase of materials to construct two pedestrian bridges spanning the ditch on the south side of West Hamilton St is requested. Funding is also requested to purchase parking stops for the expanded parking lot. Bridge construction and parking stop installation would be performed by Parks/Cemetery division staff.

A narrative and preliminary budget are included with the application. Additional supporting documentation (map, drawing, quotes) will be included with the final application due on May 1, 2003. Pricing is based on actual quotes and should vary only modestly from the draft budget.

As with other LCSWMD funding, there is a 50% match requirement, i.e. for every \$2 of District funding the City must match with at least \$1 of local funds. Please let me know if you have any questions.

LORAIN COUNTY SOLID WASTE MANAGEMENT DISTRICT
CLOSE THE LOOP RECYCLE MARKET INCENTIVE FUND APPLICATION

Applicant: City of Oberlin

DRAFT

Address: 85 South Main St.
Oberlin, OH 44074

Phone: (440)-775-7204

Contact: Jeffrey J. Baumann, Public Works Director

Project Title: HAMILTON STREET RECREATION COMPLEX IMPROVEMENTS

Project Narrative: (must define the amount of post consumer recyclable material and should include a schedule including start date and completion)

This project involves two proposed improvements to the Hamilton St. Recreation Complex.

Pedestrian Bridges

The City of Oberlin Planning Commission and the Recreation Commission have both recommended the construction of pedestrian bridges spanning the roadside ditch on the south side of West Hamilton St. Pedestrian bridges will allow for safe crossing of the ditch providing direct access to the baseball, softball and soccer fields from Oberlin's southwestern neighborhoods (see map). Two bridges are proposed to be constructed. As per the attached drawing, structural support will be provided by re-used utility poles donated in-kind from Oberlin Municipal Light and Power System. The frame of the bridge would be constructed from pressure-treated 4" x 4" lumber, this frame would be decked with Trex, a recycled plastic/wood product. Pedestrian bridges would be constructed within 90 days of grant award.

Parking Stops

The City of Oberlin has already budgeted for the expansion of the parking lot at the Recreation Complex. In order to provide safe and orderly parking, the City proposes to purchase 100 additional 6' parking stops from the Plastic Lumber Company of Akron, OH. These parking stops are made from 97% post-consumer high density polyethylene. Parking stops would be installed within 90 days of grant award.

Project Budget Narrative:

Pedestrian Bridges

There are four primary material components of the proposed bridges:

- | | |
|--------------------|-----------------|
| 1. Trex Decking: | \$369.65 |
| 2. 4" x 4" lumber: | \$83.30 |
| 3. Utility Poles: | \$250.00 |
| 4. Hardware: | \$140.00 |
| Total: | \$842.95 |

Funding is requested to purchase the Trex material only. The balance of funding and/or materials would be provided by the City as part of its match as described in the following table.

Parking Stops

Per the attached quote, parking stops are \$28.41 each. This price includes rebar (generally a recycled steel product) for installation. The unit cost includes a 5% quantity discount. Shipping is expected to be approximately \$150.00.

Item	Close the Loop Recycle Market Incentive Fund	Match (50%)	Total
Pedestrian Bridges	\$369.65	\$473.30	\$842.95
Parking Stops	\$1,994.00	\$997.00	\$2,991.00
Total	\$2,363.65	\$1,470.30	\$3,833.95

**LORAIN COUNTY SOLID WASTE MANAGEMENT DISTRICT
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Oberlin, OH 44074
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Parking Stops

The City of Oberlin has budgeted \$14,037.38 for the expansion of the parking lot at the Recreation Complex. This includes regrading, drainage improvements and limestone base and driving courses. Although this is not listed as part of the match it represents a substantial investment by the City to improve event parking at the Recreation Complex. This expansion will add approximately 170 parking spaces. In order to provide safe and orderly parking, the City proposes to purchase 170 additional 6' parking stops from the Plastic Lumber Company of Akron, OH. These parking stops are made from 97% post-

consumer high density polyethylene. Parking stops would be purchased and installed within 90 days of grant award.

Project Budget Narrative:

Pedestrian Bridges

There are four primary material components of the proposed bridges:

- 1. Trex Decking: \$527.80
- 2. 4" x 4" lumber: \$84.52
- 3. Utility Poles: \$250.00
- 4. Hardware: \$50.00
- Total: \$912.32**

Funding is requested to purchase the Trex material only. The balance of funding and the utility poles as an in-kind match would be provided by the City as part of its match as described in the following table. A quote for the materials to be purchased from Del Lumber Co. of Elyria, OH is attached.

Parking Stops

Per the attached quote provided by the Plastic Lumber Co. of Akron, OH, parking stops are \$28.41 each. This price includes rebar (generally a recycled steel product) for installation. The unit cost includes a 5% quantity discount. Shipping is expected to be approximately \$150.00.

Project Budget Chart:

Item	Close the Loop Recycle Market Incentive Fund	Match (50%)	Total
Pedestrian Bridges	\$527.80	\$384.52	\$912.32
Parking Stops	\$3,319.80	\$1,659.90	\$4,979.70
Total	\$3,847.60	\$2,044.42	\$5,892.02

DEL LUMBER COMPANY

41625 GRISWOLD ROAD • ELYRIA, OHIO 44035

Phones (440) 324-4624 ELYRIA • (440) 253-7158 LORAIN
1-800-537-1153 • FAX (440) 324-5642
www.dellumber.com

((QUOTE))

ESTIMATE #

02011903

ESTIMATED BY

TERRY

DATE

04/23/2003

SOLD TO

117300

JOB

CITY OF OBERLIN
85 SOUTH MAIN ST
OBERLIN, OH 44074

CITY OF OBERLIN
85 SOUTH MAIN ST
OBERLIN, OH 44074

Phone: (216) 775-7251

Phone: (216) 775-7251

Please examine this estimate carefully, as we agree to furnish only the articles as named and described in this estimate, irrespective of how the inquiry may read. Clerical errors are subject to correction.

If we have prepared this estimate from drawings or plans you submitted, we do not offer any assurance that the items listed or the quantities estimated are sufficient to build the structure shown on the drawings or plans and we assume no responsibility therefor. It is the purchaser's responsibility to check such items and quantities or to employ an architect or engineer for such purpose.

LINE	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION	EXTENSION	UNIT PRICE	AMOUNT
1		12	PC 5/4X6X20' TREX NATURAL		34.80	417.60
2		4	PC 5/4X6X16' TREX NATURAL		27.55	110.20
3		8	4 X 4 X 10 DOA PRESS TREAT		7.59	60.72
4		4	4 X 4 X 8 DOA PRESS TREAT		5.95	23.80
5		120	EA. 3/8X3 GALV. LAG SCREW(S)		0.23	27.60
6		55	EA. 3/8X3 GALV. LAG SCREW(S)		0.40	22.40
Items						\$662.32
Tax						0.00
Total						\$662.32

ESTIMATE ONLY

Unit prices quoted on this estimate are only good for the period from the date of the estimate to the 25th day of the month of this estimate or the 25th of the next month following, whichever comes first.

IN FORECAST SYSTEMS 216 966 1832

MATERIAL SAFETY DATA SHEETTREX® WOOD-POLYMER LUMBER PRODUCTS - NATURAL

MSDSNAT-01

1. PRODUCT AND COMPANY IDENTIFICATION

APPROVAL DATE: 07/09/97

PRODUCT NAME: TREX® WOOD-POLYMER LUMBER PRODUCTS - NATURAL
 SUPPLIER: TREX COMPANY, LLC
 158 CAPITOL LANE
 WINCHESTER, VA 22602

24-HOUR EMERGENCY: 540-678-8100
 PRODUCT AND MSDS INFORMATION : 540-678-8117

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: WOOD FIBER

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

<u>SUBSTANCE NAME</u>	<u>WT.</u>
WOOD FIBER DUST	50-60

NOTE: WOOD DUST IS CONTAINED IN A POLYETHYLENE MATRIX. Contains used thermoplastics and waste wood. Plastic obtained primarily from reclaimed/recycled grocery bags and stretch film; wood fiber is typically obtained from furniture makers and/or waste pallets. Standard product is approximately 40% - 50% thermoplastic and 50% - 60% wood fiber.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION STANDARD: This product may be used in applications that produce wood dust fibers. According to OSHA 29 CFR 1910.1200, certain wood fibers are considered hazardous if the workplace airborne concentration exceeds the OSHA or ACGIH exposure limits (see section 8).

EFFECTS OF OVEREXPOSURE: Dust can irritate nose, throat and respiratory tract and may cause mechanical irritation in the eyes. Repeated exposures to certain wood dusts can produce allergic skin and respiratory reactions including asthma and rhinitis. Inhalation of certain wood fibers can cause nasal cancer.

EMERGENCY RESPONSE DATA: Light brown to light grey solid. Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion. DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water. Launder contaminated clothing before reuse.

INHALATION: If respiratory irritation, cough, shortness of breath, wheezing or chest tightness occurs after exposure to dust, remove from further exposure, seek immediate medical assistance and call for a physician.

INGESTION: Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water

Special Fire Fighting Procedures: Use water to keep fire exposed product cool. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Special Protective Equipment: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion. Flash Point C(F): > 370 (698) (Flame Spread Index = 80). Flammable limits - LEL: NA, UEL: N/A.

NFPA Hazard ID: Health: 0, Flammability: 1, Reactivity: 0.

Hazardous Decomposition Products: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde, Formic Acid, Acetic Acid.

6. ACCIDENTAL RELEASE MEASURES

Notification Procedures: None

Procedures if Material is Released or Spilled: Where dusty conditions are created as a result of cutting or sawing, wet dust down then sweep or vacuum for disposal. Personnel performing cleanup must use protective equipment.

Environmental Precautions: Not expected to be a problem.

Personal Precautions: See Section 8

7. HANDLING AND STORAGE

Handling: TREX® Wood-Polymer Lumber is not intended for load-bearing or heavy structural applications. Please consult TREX®'s code listing, NER-508, and company literature for proper usage. TREX® Wood-Polymer Lumber is heavier than most traditional lumber products; proper handling is required to prevent damage or injury. Do not burn in fireplace or use as firewood.

Storage: Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use in well ventilated area.

Respiratory Protection: Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely.

Eye Protection: Safety glasses with side shields, or goggles should be worn to protect against dust particles.

Skin Protection: No special equipment required. Good personal hygiene practices should always be followed.

Substance Name (CAS-No)	Source	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Wood Fiber Dust					
Certified Hardwood	OSHA		5		
Softwood	OSHA		5		
Western Red Cedar	OSHA		2.5		
Softwood	ACGIH		5		10
as Beech/Oak Cert. Hardwood	ACGIH		1		

Note. Limits shown for guidance only. Follow application regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

Appearance: Solid

Color: Light brown fades to light gray after 6 - 12 weeks outdoors

Odor: None

Odor Threshold - ppm: NE

pH: N/A

Boiling Point C(F): N/A

Melting Point C(F): > 110 (230)

Flash Point C(F): > 370 (698)
 Flammability: NE (Flame Spread Index = 80)
 Auto Flammability: 395 (743)
 Explosive Properties: N/A
 Oxidizing Properties: N/A
 Vapor Pressure-mmHg 20C: N/A
 Vapor Density: NE
 Evaporation Rate: NE
 Relative Density, 15/4 C: 0.96
 Solubility in Water: Negligible
 Partition Coefficient: NE
 Viscosity at 40C, cSt: N/A
 Viscosity at 100C, cSt: N/A
 Pour Point C (F): N/A
 Freezing Point C (F): NE
 Volatile Organic Compound: NE

N/A = Not Applicable NE = Not Established D = Decomposes

For further technical information contact your marketing representative

10. STABILITY AND REACTIVITY

Stability (Thermal, Light, Etc): Stable.
 Conditions to Avoid: Heat and flame. Build up of dusts.
 Incompatibility (Materials to avoid): Strong oxidizers.
 Hazardous Decomposition Products: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde,
 Formic Acid, Acetic Acid.
 Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL DATA

Acute Toxicology

Oral Toxicity (Rats): Not established.
 Dermal Toxicity (Rabbits): Not established.
 Inhalation Toxicity (Rats): Not established.
 Eye Irritation (Rabbits): Not established.
 Skin Irritation (Rabbits): Not established.

Chronic Toxicology (Summary)

IARC has determined that there is sufficient evidence to classify wood fiber as a human carcinogen. When wood fiber is incorporated into a polymer matrix, exposure is virtually eliminated.

12. ECOLOGICAL INFORMATION

Environmental Fate and Effects: Not established.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste as normal refuse.

RCRA Information The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP)

14. TRANSPORT INFORMATION

USA DOT: Not regulated by USA DOT.
 IMO Not regulated by IMO.
 IATA. Not regulated by IATA

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES "

SARA (311/312) REPORTABLE HAZARD CATEGORIES: CHRONIC

This product contains no chemicals reportable under SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>List Citations</u>
Wood Fiber Dust		1, 2, 6

—REGULATORY LISTS SEARCHED—

1 - ACGIH ALL	6 - IARC 1	11 - TSCA 4	17 - CA P65	22 - MI 293
2 - ACGIH AL	7 - IARC 2A	12 - TSCA 5A2	18 - CA RTK	23 - MN RTK
3 - ACGIH A2	8 - IARC 2B	13 - TSCA 5E	19 - FL RTK	24 - NJ RTK
4 - NTP CARC	9 - OSHA CARC	14 - TSCA 6	20 - IL RTK	25 - PA RTK
5 - NTP SUS	10 - OSHA Z	15 - TSCA 12B	21 - LA RTK	26 - RI RTK

CODE KEY: CARC = CARCINOGEN SUS = SUSPECTED CARCINOGEN

USE. COMPOSITE LUMBER PRODUCTS

INGREDIENT	PCT	CAS NUMBER
Wood Fiber	50-60	
Polyethylene	40-50	9002-88-4

For Internal Use Only. MHC NE NE NE NF NE MPPEC A REQ TREX® WOOD-POLYMER LUMBER, SAFE USE G

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APPENDIX K

Trex® Easy Care Decking® Warranty

The Trex Limited Warranty

As a purchaser or owner of Trex products, you have invested in an easy-care material which provides years of like-new performance. The Trex residential warranty provides ten years of comprehensive coverage.

Trex Wood-Polymer™ eliminates the worries of:

- SPLINTERING, SPLITTING AND CHECKING
- ROT AND DECAY DAMAGE
- TERMITE DAMAGE

AND the Trex limited warranty is fully transferable. Please contact your local dealer for exact details of the Trex warranty program.



Trex Company, Inc.

The DECK of a Lifetime

QUOTE

Plastic Lumber Company
115 W. Bartges St.
Akron, OH 44311
330/762-8989
800-886-8990
330/762-1613 (fax)

Date: April 11, 2003

To: City of Oberlin, 85 S. Main Street, Oberlin, OH 44074

Attn: Jeff Baumann

440/775-7204

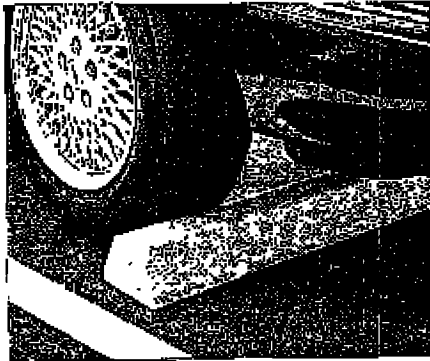
440/775-7208 (fax)

100	Six Foot Parking Stops PMP1006 97% Post Consumer HDPE Fasteners included (rebar) for installation This price reflects a 5% quantity disc.	\$28.41/each
	Freight	\$150.00

Thank you for the opportunity to quote this project

Yolanda Hawkins

PAVING MAINTENANCE



Parking Stops

Dress up the appearance of your parking lot while contributing to a cleaner environment. PLC Parking Stops never need painting. They won't chip, crack or deteriorate from weather or road salts. Installation is simple. Rebar fasteners included.

Product #PMP1006
(Six Foot): \$29.90 each

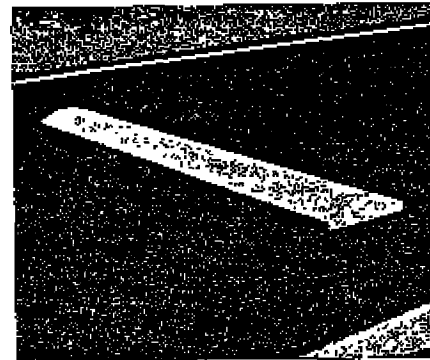
Product #PMP1004
(Four Foot): \$21.60 each

Product #PMP1003
(Three Foot): \$19.80 each

Colors: Yellow (C080),
White (C070), Gray (C050),
Blue (C020), Black (C010).



PMP1003 20" x 2 Rebar (16 lbs.)
PMP1004 42" x 2 Rebar (22 lbs.)
PMP1006 72" x 1 Rebar (22 lbs.)



Speed Bumps

Easy to install with lag bolts, you can now control speeding vehicles in your parking lots. Available in 9', 6' and 4' lengths. Installation hardware included.

Product #PMP2009
(Nine Foot): \$95.00 each

Product #PMP2006
(Six Foot): \$75.00 each

Product #PMP2004
(Four Foot): \$55.00 each

Color: Safety Yellow.



PMP2004 15" x 2 Anchors (2 lbs.)
PMP2006 72" x 2 Anchors (40 lbs.)
PMP2009 108" x 3 Anchors (32 lbs.)

PLASTIC LUMBER TECHNICAL INFORMATION

Deck, Dock and Marine Design Considerations: Residential and commercial decking, boat docks, boardwalk and wetland walkways are all excellent applications for plastic lumber materials. There is substantial work being conducted by ASTM, Battelle, Army Corps of Engineers, Underwriters Laboratory, building code officials, civil engineering firms, many of the nation's top universities and others to develop the proper performance specifications for these new materials. At this writing, this work is still in progress and is expected to be completed in phases throughout 1998-99. Please fax or e-mail should you need to know the latest in approved technical information. Here are a few general items to help you through your specific application.

Deck Span Tables: Plastic lumber is an excellent product to be used for a deck surface, but it is more flexible than traditional materials. Proper design considerations must be taken into account for your specific application. Plastic lumber is not recommended for any structural component of a deck such as joists, posts, or support beams. General guidelines for joist span tables are as follows:

2" x 6" 16 inches on center
2" x 4" 16 inches on center
1" x 6" 12 inches on center

Suitability: Plastic Lumber is not recommended for any structural application. The Plastic Lumber Company does not warrant either expressed or implied the suitability of plastic lumber for any use, beyond those designated and constructed by the Plastic Lumber Company, Inc. Please test to insure that the product will perform satisfactorily in your application.

Workability: Always work within conventional safety parameters for the tools and equipment being used. Standard woodworking tools and hardware are normally adequate to saw, drill, bore or rout plastic lumber. We use carbide tip, saw blades and router bits in our fabrication department. Regular cobalt drill bits are adequate for drilling.

Screw Fasteners: For superior fastening we recommend deep flighted screws. Stainless steel, zinc galvanized or ceramic coated fasteners are recommended for outdoor application. Our technical experience shows that stainless steel screws with a square head drive have less of a tendency to strip out the drive bits than the Phillips Head drive.

Nail Fasteners: The effects of thermal expansion and contraction may loosen nail joints over time. Therefore, we recommend screws and/or bolts as a superior joining technique.

Glues and Adhesives: Plastic Lumber is a very difficult material to glue and at this writing we are unaware of any commercially available adhesive that will adequately join these materials. However, there are some very interesting thermoplastic welding technologies that our technical service department can offer suggestions for your application.

Expansion and Contraction: Due to the effects of temperature, plastic lumber may expand or contract approximately 1/32 of an inch per linear foot of board. In construction, avoid butting boards together wherever possible.

NOMINAL VALUES

reported via 75% confidence interval

Material Property:	Nominal Value
Density ASTM D-6111-97	35.6 lbs/ft ³
Flexural Properties ASTM D-6109-97 Secant Modulus Stress at 3% Strain	43,854.9 psi 1,000.8 psi
Compressive Properties ASTM D-6108-97 Secant Modulus Stress at 3% Strain	58,362.0 psi 1,337.4 psi

* New ASTM Test Standard for plastic lumber.