

XPotential Products Website Brochure

NOTHING LAST'S FOREVER
But XPotential Products
Come Close

Life Expectancy 75-100 Years



This document contains all the information that is available on the XPotential Products website.

Table Of Contents

Welcome to XPotential Products	Page 3
• Featured Products	Page 3
About XPotential	
• Company History	Page 4
• Mission Statement	Page 5
• In the News	Page 6
• Customer Testimonials	Page 11
Using Our Products	
• Cut It	Page 12
• Drill It	Page 12
• Fasten It	Page 13
• Paint It	Page 13
Product Information & Specifications	Page 14
• Photos	Page 16
• Material Safety Data Sheet	Page 17
• Engineering Specifications	Page 20
• Questions & Answers	Page 21
Limited Lifetime Warranty	Page 24
Contact Us	Page 25



Welcome To XPotential Products

Welcome to XPotential Products

Strength Is Necessary

XPotential Products will not twist, splinter, rot or decay. In comparison to wood, XPotential Products possess a much greater compressive strength. Flexural strength is in the range of 1/2 to 2/3 that of wood. Harsh elements, severe temperatures, submersion in fresh or salt water and freeze / thaw cycles have little effect on our products. They will not suffer a reduction in structural integrity due to insect damage, termites, rodents, road salt, and periodic contamination with oil, gasoline and many corrosive chemicals.

Endurance Is Holding Power

XPotential Products have at least twice the nail and screw retention of wood. Endurance is Staying Power: XPotential Products have a life expectancy of 75-100 years. Our company believes in doing the job right the first time. We'll provide you with a product that will not let you down. At this point, XPotential Products are recommended for limited structural applications.

Our Products Do Not Contain Wood

By using XPotential Products you can help to preserve woodland resources for generations to come. Our plastic composite will never rot or leach preservative into the surrounding environment. XPotential Products are durable throughout and when cutting to length, ends do not need to be treated or chamfered. Environmental hazards caused by contact with other materials will be avoided by using XPotential Products.

Featured Products

****NEW****

2 1/2" x 3 1/2" Landscape Ties (Interlocking)

Ideal for residential landscaping projects: retaining walls, terracing, planters & edging.

6" x 6" Impact-Posts™ (Multi-Purpose Posts)

Landscaping: retaining walls, terracing, planters & edging. Fences & Decks: fence posts, bollards, ground-level deck sleepers. Agricultural: posts for corrals, wire and electric fencing, feed lots and live stock fencing.

4" x 4" Impact-Posts™ (Multi-Purpose Posts)

Landscaping: retaining walls, terracing, planters & edging. Suitable for select fence post applications. Please consult manufacturer Toll Free 1-800-663-6619 for recommendations.

Impact-Curbs™ (Parking Curbs/Wheel Stops)

Residential, Commercial, Industrial: new parking lots and parkades; maintenance and upgrades of existing lots; temporary or permanent traffic control lanes.

4" Round Pencil Pointed Impact-Posts™

Agricultural: posts for corrals, wire and electric fencing, feed lots and live stock fencing.

About XPotential

Company History

XPotential Products Inc. manufactures a plastic composite which is extremely durable, environmentally friendly and has a life expectancy of 75-100 years. Utilizing world-first technology, our two plants have the production capacity to consistently supply landscape and garden supply centers, home building centers, lumber yards, environmental niche markets, wholesale distributors and discount chains. Our products outlast and outperform concrete and pressure treated lumber and as a result, offer unparalleled value in terms of price and durability.

Eight years of extensive research and testing have gone into the development of XPotential Products. We are constantly working to maintain our commitment to product quality and continual process improvement. Impact-Posts™ (6 x 6) and Impact-Curbs™ have been on the market in western Canada for over five years while 2 1/2" x 3 1/2" landscape ties, 4 x 4's and 4" Rounds (7' & 8' – pencil point) are the newest additions to our line. The response from consumers, governments and the industrial, commercial and institutional sectors has been overwhelming.

In the past few years we have:

- Established many new retailers and distributors.
- Sold to DOW chemical corporation.
- Sold to the U.S. Army Corps of Engineers.
- Been endorsed by municipal governments who have had the opportunity to test our products in some of the harshest climates in the world.
- Attended many trade shows across Canada and the United States to help support our retailers and distributors by stimulating the market for our products through increased customer awareness.

We believe in our products and stand behind them with a Limited Lifetime Warranty.



About XPotential

Mission Statement

Working cooperatively, the management and staff of XPotential Products Inc., and its divisions, wish to declare the following set of guidelines under which all corporate activities will be governed:

XPotential Products Inc. shall help refine and comply with all principles of sustainable development. All projects planned and current activities must conform to these principles.

XPotential Products Inc. shall at all times closely adhere to all laws and regulations in the jurisdictions of both Canada and the United States. The employees and management of XPotential Products Inc. shall assist government at the municipal, provincial, county, state and federal levels to revise and/or draft new legislation that pertains to emerging environmental issues.

XPotential Products Inc. shall be committed to new product development while continuing improvement of product quality to exceed customers' expectations.

XPotential Products Inc. shall seek to educate and inform neighbors, youth and citizens who are interested in recycling. This will be accomplished through the internet, various educational programs, attendance at conferences and tours of our facilities.



About XPotential

In The News

REGINA LEADER-POST, WEDNESDAY, OCTOBER 24, 2001

Recycling pays off

By Leader-Post Staff

A research and development facility in Regina recently won an environmental award for creating two products out of car waste, keeping some 12 million kilograms of waste out of landfills each year.

XPotential Products Inc. won the Saskatchewan Waste Reduction Council's corporate leadership award for manufacturing parking curbs and posts out of the waste.

Before the company created the two products, non-metal car parts like seat covers and plastics were destined for the garbage because there was no alternative use for them.

"The pilot plant in Regina is largely responsible for getting this through the starting gates and now we're recycling material that everywhere else in the world is a waste product," said James Zonneveld, vice president of XPotential. The company's parking curbs, made from a combination of the car waste and recycled plastics, last 75 to 100 years where cement parking curbs have a life of only five to seven years.

Its posts, which can be used in fences or retaining walls, replace lumber posts and are also made out of the same combination of car waste and recycled plastics.

XPotential's head office is in Winnipeg.

In The News

WINNIPEG FREE PRESS FRIDAY, JULY 13, 2001

Firms find going green can pay off Recycling, waste management make economic good sense

By Geoff Kirbyson

It's becoming profitable to be green.

A growing number of Manitoba businesses have adopted environmentally friendly purchasing and operating procedures to not only satisfy their ecological goals, but their financial ones as well.

About XPotential

Jane Maslowski, chair of the Manitoba Green Procurement Network, said well-developed green plans can lead to cost reductions and increased market share.

The Fairmont Winnipeg hotel, for example, saves between \$40,000 and \$50,000 each year through its efforts, which include reducing wasted paper, recycling whenever possible and retrofitting its air conditioning system.

All told, the Fairmont has diverted 7,000 tonnes of garbage in the last five years, the hotel's general manager Brigitte Fritz said.

"Having a green plan is an absolute no-brainer. It's common sense, it's good for the environment and it's good for the pocketbook of responsible people as well," she said in an interview.

In the last year, the Fairmont has saved more than 62,000 pages of paper, donated 1,350 pounds of amenities to local shelters, donated more than 450 kilograms of food to Winnipeg Harvest and recycled nearly 2,500 kilograms of pop cans.

At least a quarter of the savings come from lower garbage-hauling costs, Fritz said.

Maslowski said arguably the biggest development in the push towards more widespread concern for the environment it's the Manitoba Sustainable Development Act. The legislation, passed in 1997, requires government departments and publicly funded organizations to apply sustainable development principles and organizational practices.

Brett Eckstein, policy analyst with the pollution prevention branch of Manitoba Conservation, said over the next few months, the government will practice what it preaches by implementing procedures to buy environmentally friendly products, make sure its buildings are heated and cooled in a sustainable way, and require civil servants to stay in "green" hotels.

"Education is the most important aspect. We want to inform people who make purchasing decisions that they have choices to make. They can look at buying products that are environmentally friendly and lead to greater sustainability for the province," he said.

For its efforts, the Fairmont was recently awarded a four-leaf rating (out of five leaves) from the Hotel Association of Canada. In a release, the HAC said the rating means "a hotel has shown national industry leadership in terms of environmental performance for both hotel management and facilities."

With the Fairmont's recent launch of Eco Meet, she said the hotel will likely realize even more similar-minded customers. The concept will see in-room recycling bins, options for guests to replace sheets and towels on a less-than-daily basis, energy efficient lighting, biodegradable soap and water-conserving shower heads.

Fritz credited many of the hotel's past and future saving to the Fairmont's Green Team, a group of 11 volunteers from all departments who meet once a month to discuss new ways to reduce, reuse and recycle.

About XPotential

Maslowski said there are many groups that have policies to work with other companies or groups who are environmentally friendly and will make such businesses their first choice supplier.

She noted that environmentally friendly habits can lead to business opportunities as well. One example is XPotential Products Inc., a recycler of non-metal parts of cars headed for the car shredder. It takes seat cushions, dashboards and carpeting and mixes it with post-consumer and post-industrial plastics to make multi-purpose posts and parking curbs.

After starting to develop its technology in 1990 and building a 12,000-square-foot pilot plant in Regina four years later, XPotential opened up its 27,000-square-foot plant in Winnipeg last summer.

James Zonneveld, the company's vice-president, said production will soon be virtually doubled to keep up with growing demand for its products. He added while he has a long history of working in the recycling industry, there's more to the business than environmentally friendly principles.

"The idea is to make money and expand, we're not shy about that. There is an economic case for these plants. Car-shredding operations avoid disposal fees rather than dumping and we produce a product and sell it for a price," he said.

Green with profits

Here are a few companies which have built upon their environmentally friendly principles and created successful businesses.

New World Technologies: This 65-person operation remanufactures laser printer cartridges and rebuilds them back to their original specifications. Last year it rebuilt some 150,000 cartridges in its 30,000-square-foot building. Some of the firm's clients include Manitoba Hydro, Centra Gas and the City of Winnipeg.

Enviro West Inc.: This firm, which has operations in both Winnipeg and Edmonton, takes care of automotive waste, including recycling antifreeze, used oil, oil filters and fuel. It then turns it into industrial burner fuel. The company employs 26 people, including 14 in Winnipeg.

Reliable Tire Recycling: The company, which has 20 employees, picks up scrap tires at landfills and tire dealerships throughout Manitoba and brings them back to its yard in Winnipeg to be shredded in two-inch chips or rough shred. The chips are used for civil engineering projects, building temporary roads, and blasting mats used to prevent flying rock when detonating dynamite.

XPotential Products Inc.: This 35-employee firm recycles all non-metal parts of cars headed for the car shredder. It mixes seat cushions, dashboards and carpeting with post-consumer and post-industrial plastics to make multi-purpose posts and parking curbs. It has a new 27,000-square-foot facility in Winnipeg and another smaller one in Regina.

About XPotential

In The News

WINNIPEG FREE PRESS, FRIDAY, FEBRUARY 16, 2001

**Company wants to buy plastics city won't take.
City willing to talk about taking more in Blue Boxes.**

By Bud Robertson

A Winnipeg company says it's willing to buy most of the recyclable plastic that the city's recycling program currently refuses to take.

And while the city isn't ready to sign on the dotted line, it will be talking to that company and others about expanding the number of items that can go into Blue Boxes.

"We can consume, probably, double or triple what the city could supply us with if they were collecting all of the plastics from everybody in the single-family curbside program," said James Zonneveld, vice-president of XPotential Products Inc., which manufactures plastic posts and curbs from recycled plastics and non-metal auto parts (such as seat cushions and carpeting).

The city's curbside recycling program currently doesn't accept some No.2 plastics, such as ice cream pails, or No.3 to No.7 plastics, which include such things as yogurt containers, shampoo bottles and plastic ketchup bottles.

Zonneveld, who helped found the former Red Box Recycling company, said his company would gladly pay for those materials.

But Dan McInnes, manager of the city's solid waste department and the point man for the recycling program, said it's not that simple.

"There's a number of things that have to happen first," he said, including changes to the Manitoba Product Stewardship Corp.'s funding to municipal recycling programs based on the amount of recyclables they collect. It doesn't fund No.3 to No.7 plastics. In Winnipeg's case, that amounts to a loss of \$128 a tonne.

Still, said McInnes: "We will be talking with XPotential and others about the possibility of adding (No.) 3 to 7 plastics to our Blue Box program. He added: "We always want to deal with the local markets."

Michael Fernandes, municipal programs manager with the product stewardship corporation, said it is considering the city's request to add more plastics to the list.

But he said there are a number of issues that have to be explored, including the consistency of the market. Up until now, the market for those plastics has been spotty and the cost to export them expensive.

About XPotential

XPotential has been operating a plant in Regina since 1994. It opened a plant in Winnipeg last August, quadrupling production.

Sales to its customers throughout North America have tripled in the last year and Zonneveld said he expects that trend will continue.

That, he said, will necessitate even more raw materials, including No.2 plastics other than pop bottles, as well as No.4, 5 and 7 plastics. It doesn't accept No.3 or 6 plastics, which include PVC plastic and polystyrene meat trays.

The plant currently consumes about 20,000 kilograms of plastic a day from local suppliers as well as from Saskatchewan and Alberta.

XPotential pays \$66.12 a tonne for clean rigid plastic containers and \$22.04 per tonne for clean film plastics, such as grocery bags.

Zonneveld estimates a total of 815 tonnes of No.2 to 7 plastics were generated by the city recycling program in 1999 and if it collected all plastic bottles that amount could be quadrupled, at a minimum.



About XPotential

Customer Testimonials

Rod Schmidt **Owner of Plum Creek Fence**

"I used your recycled plastic etc. posts on a livestock fence for the first time this past fall. I was impressed with the product. It withstood the considerable impact of a heavy duty commercial post pounder in hard autumn dry soil.



The finished fence looked great, and should last indefinitely. The main drawback was stapling on the wire. The Staples needed to be pre-drilled to set them properly without bending them unacceptably out of shape. The customer was very pleased, and for what it is worth, you have my unsolicited endorsement."

Ryan Hughes **Anne's Landscape Supply Inc.**

"Our community members couldn't be more thrilled with XPotential for not only creating a product with such incredible strength and virtually endless durability, but also taking the genius a step further and doing it from environmentally safe recycled materials. It's "peace of mind" for at least the next 75-100 years as a dealer, installer or the end user."



Joanne Fedyk **Saskatchewan Waste Reduction Council**

"Impact-Curbs™ are a proven alternative to concrete that will reduce replacement and installation costs. These durable parking curbs have residential, commercial and industrial applications including new and existing parking lots, indoor parkades, perimeter delineation and traffic control lanes."



Using Our Products

Cut It

Cutting

All XPotential Products can be cut for applications that require shorter lengths. The products, however, are built to last and consequently are more difficult to cut than wood. We have conducted tests to determine the most efficient and cost-effective way to cut Impact-Posts™ and Impact-Curbs™.

For cutting larger volumes of our 6 x 6 on the job-site (50+ cuts), we recommend a gas powered concrete cut-off saw (available at most rental centers) with a masonry cut-off blade.



For smaller projects and most 4 x 4 and landscape tie installations, you can cut the product using a 7 1/4" — 10" carbide-tipped blade with 16 or fewer teeth on a standard circular or chop saw.

Drill It

Drilling

We recommend a masonry bit as our product is more abrasive and difficult to drill than wood. A hammer drill will increase drilling speed for larger projects. Unlike wood, however, it is possible to drill and tap XPotential Products with a national coarse machine thread. Please note, our Impact-Curbs™ come with 3/4" pre-drilled holes; ready for quick installation.

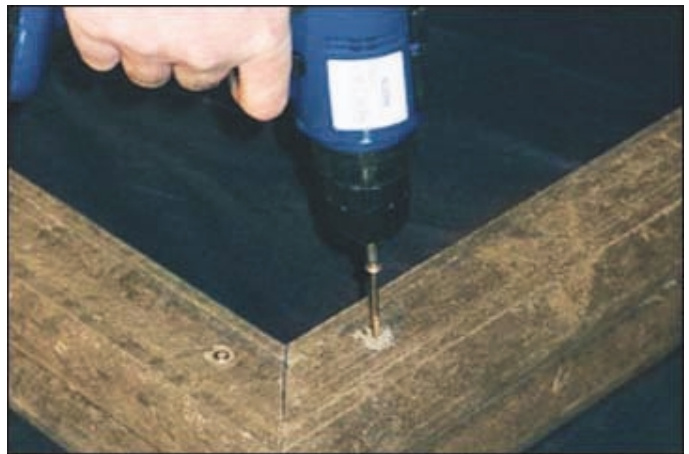


Using Our Products

Fasten It

Nail / Screw Retention

XPotential Products have at least twice the nail and screw retention of wood. Screws are recommended for fastening wherever possible. Pilot holes are not required for screws but may be required for nails and larger fasteners. For maximum holding power, full thread penetration into the outer inch edge of the product is recommended.



Paint It

Natural Color and Painting

Our composite contains a significant amount of fibre and is easily painted. As with any material, ensure that the surface is clean and dry before application. For a consistent surface color, we recommend two coats of high quality exterior paint.

It is important to note that there is no need to paint, treat or stain our products other than for appearance. They are inherently resistant to the elements throughout. The earthy brown natural colour blends nicely with the outdoors.



Product Information & Specifications

Product Information & Specifications

Impact-Posts™ vs. Wood:

Impact-Posts™ offer a proven alternative to wood and have characteristics that make them more suitable in many applications. Although the compressive strength of Impact-Posts™ exceeds that of wood, the flexural strength is less than that of wood and therefore they should not be substituted for wood products without regard to engineering considerations and testing for the intended application. In horizontal applications we recommend supports on four foot centers.

Impact-Curbs™ vs. Concrete:

Our lighter weight eliminates the need for heavy equipment during installation while our superior durability will reduce overall maintenance and replacement costs. Our composite has a unique shock absorbing capability that makes it less prone to chipping and cracking thereby minimizing damage by mechanical impact from heavy equipment.

Composition

XPotential Products are a plastic composite product manufactured with 100% recycled materials including the non-metallic by-product of recycled automobiles (the filler) and post-consumer/industrial plastics (the binder). Our filler provides some UV stabilizing and fire retardant qualities. The filler includes; fabric, carpet, plastic, foam, rubber and trace amounts of metal. Post-consumer and post-industrial plastics are used to bind the filler material, giving it a solid physical form.

Our products are environmentally friendly. They are not only made from recycled materials but are also themselves 100% recyclable.

Life Span

XPotential Products have a life expectancy of 75 - 100 years. Severe temperatures, submersion in fresh or salt water and freeze/thaw cycles have little effect on our products. They will not suffer a reduction in structural integrity due to insect damage, termites, rodents, road salt, and periodic contamination with oil, gasoline and many corrosive chemicals.



Product Information & Specifications

Specifications: (May vary slightly)

PRODUCT	STANDARD	PIECES PER	PRODUCT WEIGHT	PRODUCT WEIGHT	PIECES PER
DESCRIPTION	DIMENSIONS	LIFT	PER PIECE	PER LIFT	TRAILER LOAD
Impact-Posts™	6" x 6" x 8 ft	15	160 lbs.	2400 lbs.	285
Impact-Posts™	3 1/2" x 3 1/2" x 8 ft	40	54 lbs.	2160 lbs.	880
Impact-Posts™	4" Round x 8 ft (pencil point)	39	55 lbs.	2145 lbs.	85
Impact-Posts™	4" Round x 7 ft (pencil point)	39	48 lbs.	1872 lbs.	975
Landscape Ties	2 1/2" x 3 1/2" x 8 ft	64	35 lbs.	2240 lbs.	1280
Impact-Curbs™	5 1/4" x 8" x 8 ft	12	180 lbs.	2160 lbs.	252
Impact-Curbs™	5 1/4" x 8" x 6 ft	16	135 lbs.	2160 lbs.	336
Impact-Curbs™	4" x 6" x 8 ft	25	96 lbs.	2400 lbs.	500
Impact-Curbs™	4" x 6" x 6 ft	25	72 lbs.	1800 lbs.	675

Please Note:

A full load may also consist of a combination of lifts. While gross weight capacity may vary slightly between locations and carriers, the above numbers are based on a 47,000 lb. Load. XPotential Products Inc. reserves the right to modify specifications without notice.

Custom painting, cutting and drilling is available



Product Information & Specifications

Product Samples & Application Photos

The X in XPotential

The uses for XPotential Products are virtually endless and limited only by an individuals imagination. Many people have recognized the inherent value: homeowners; farmers; ranchers; landscape architects; contractors; parking lot and property management companies; civic, state/provincial and federal governments; and many others in the industrial, institutional and commercial sectors.

Below are photos of the XPotential Products and then various application uses for the products.



XPotential Products Material Safety Data Sheet

Section 1 - Product Information

Product Name:	Impact-Post™, Impact-Curb™
WHMIS classification:	Exempt: not a controlled product
TDG classification:	Exempt: not regulated
Material use:	Common lumber applications, parking and landscaping
Technical support:	1-800-863-6619 or 204-224-3933

Section 2 - Ingredients of Product

This product contains a broad array of mixed post-consumer and post-industrial plastics in addition to Auto Shredder Residue (ASR).

ASR is the by-product of shredding an automobile. The primary ingredients are those used to manufacture upholstery, fabric trim, rubber, plastic, glass and trace amounts of metal.

Post-consumer and post-industrial plastics may contain commercially available dyes and pigments at levels less than 1% but sometimes at levels greater than 1% for titanium dioxide (CAS# 001344-37-2) carbon black (CAS# 01333-86-41) or chrome yellow (CAS# 001344-37-2).

Section 3 - Physical Data

Physical State:	Solid
Odor:	Paraffins to black licorice/burnt coffee (evident only in new material)
Melting Point:	>125 C (>250 F)
Specific Gravity:	1.2 (75 lbs./cu ft)
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Solubility:	Insoluble in water and cold organic solvents

Section 4 - Fire and Explosion Hazard Data

Flash Point:	Not applicable
Method Used:	Not applicable
Flammable Limits:	LFL: Not applicable UFL: Not applicable
Extinguishing Media:	Water, fog, CO2, dry chemical
Fire and Explosion Hazard:	Carbon monoxide may form as well as dense smoke
Fire Fighting Equipment:	Use positive pressure, self-contained breathing apparatus

XPotential Products Material Safety Data Sheet

Section 5 - Reactivity Data

Stability: Avoid temperatures >125 C (>250 F)
Incompatibility: Not applicable
Hazardous Polymerization: Not applicable
Hazardous Decomposition Products: Same as ordinary combustibles: Carbon dioxide and carbon monoxide

Section 6 - Environmental and Disposal Information

Dust or sawdust particles may cause a slipping hazard. Sweep or vacuum the product into containers for disposal in accordance with local, provincial and federal regulations or for reuse.

Section 7 - Health Hazard Data

Eyes:

Solid or dusts may cause irritation or corneal injury due to mechanical action.

Skin contact:

Essentially non-irritating to skin

Skin absorption:

Skin absorption is unlikely due to physical properties

Ingestion:

No hazards anticipated from ingestion incidental to industrial applications. A physician should be consulted if large amounts are ingested.

Systemic and other effects:

No specific data available. However, repeated exposures are not anticipated to cause any adverse effects. Pigments and dyes are fully encapsulated in the resin and are not expected to cause any hazardous conditions when used in accordance with good material handling procedures. Airborne particles of this material should be considered as a nuisance dust.

Section 8 - First Aid Information

Eyes:

Irrigate immediately with water for at least 5 minutes, mechanical effects only, seek medical attention.

XPotential Products Material Safety Data Sheet

Skin:

No adverse effects anticipated by this route of exposure. Wash exposed area with mild soap and water in accordance with good hygiene practices. If skin sensitivity should occur seek medical advice.

Ingestion:

No adverse effects anticipated by this route of exposure. If pain and/or discomfort occurs seek medical attention.

Inhalation:

No adverse effects anticipated by this route of exposure. If respiratory irritation occurs, remove affected person from work area. Obtain medical attention if irritation persists.

Section 9 - Handling Precautions

Normal safety practices apply. Always wear gloves and steel toe CSA/UL approved work boots when working with this product. Always wear CSA/UL approved eye protection when cutting, drilling product or handling product in a fashion whereby splintering may occur.

Section 10 - Additional Information

This information sheet was prepared by
XPotential Products Inc.

P.O Box 126, St. Boniface Postal Station
Winnipeg, MB Canada R2H 3B4

Telephone: 1-204-224-3933 Fax: 1-204-224-4678 Toll Free: 1-800-863-6619



Product Information & Specifications

ENGINEERING SPECIFICATIONS		
PROPERTY	IMPACT-POST™ Tested value	SPRUCE / PINE Published Data
Specific Gravity (D792)	1.15 — 1.28	0.42 — 0.70
Taber Abrasion @ 1000 cycles	1.02 mm (0.04") ₅	Destroyed
Hardness Shore D	54 — 59 ₅	N/A
Thermal Expansion (E228)	78 uM/M/C ₁	26 uM/M/C
Softening Temp.	237-255 F ₁	N/A
Flame Spread (D3806) Red Oak = 100%	55% ₅	23 — 100+%
Leachate TCLP EPA 1311	Pass ₄	N/A
Fungus & Termites	Not Attacked	N/A
Water Absorption (D1037)	0.5 — 1.3% ₁	>30%
Paint Type — Recommended	Exterior "solvent / latex" paint (or) solid non-penetrating stain	Any
Acute Oral Toxicity Limit	Non Toxic ₃	Treated lumber can be toxic
Insulating Value Asbestos = 52	7 ₅	41
UV Resistance UV A chamber@38C	10,000 hrs slight fading, no loss to structural integrity ₂	Degrades slowly Bleached/darkened @1000 Hours

Notes on Engineering Specifications:

Subscript numbers denote the lab that performed the tests:

1. Saskatchewan Research Council
2. XPotential Labs

3. Product Safety Labs, E. Brunswick, NJ
4. Toronto Testing Laboratories

5. Alberta Research Council

COMPARISONS TO SPRUCE / PINE	
Compressive Strength	Comparable to Spruce/Pine
Flexural Strength	Approximately 1/2 that of Spruce / Pine
Tensile Strength	Comparable to Spruce / Pine
Shear Strength	Comparable to Spruce / Pine
Fastener Retention	At Least Twice that of Spruce / Pine

NOTE: Due to our Flexural strength XPotential Products have limited structural applications

Product Information & Specifications

Questions & Answers

Who typically uses XPotential Products?

The uses for XPotential Products are virtually endless and limited only by an individual's imagination. Many people have recognized the inherent value: homeowners; farmers; ranchers; Landscape Architects; contractors; golf courses; school boards; parking lot and property management companies; civic, state/provincial and federal governments; and many others in the industrial, institutional and commercial sectors.

Can Impact-Posts™ be substituted for wood in all applications?

Our products have characteristics that make them more suitable in many applications. They perform favorably under static uniform loading when compressive strength over the entire length is required. 6 x 6 Impact-Posts™ are ideal for short deck supports, landscaping, marine and fencing projects. 4 x 4 Impact-Posts™ are ideal for landscaping, small retaining walls, terracing, planters and edging. Suitable for select fence post applications, please consult the manufacturer toll free @ 1-800-863-6619 for recommendations.

The flexural strength of XPotential Products is less than that of wood and they should not be substituted for wood products without regard to engineering considerations and testing for the intended application. Engineering specifications are available through XPotential Products Inc. upon request.

What are the advantages of XPotential Products over pressure or creosote treated lumber?

* Our plastic composite is manufactured utilizing a plastic binder and non-metallic materials from waste automobiles. They will never rot. Over time, treated lumber will leach out preservative into the surrounding environment and lose its effectiveness; permitting rot and decay.

* Recognized environmental hazards are incurred by contact with treated lumber. This potential hazard is avoided when using XPotential Products.

* **XPotential Products will not splinter, cup, twist or bend.**

* XPotential Products are durable throughout and as a result, ends never need to be treated or chamfered. When cutting to length, the exposed center of treated lumber must be coated with preservative and ends that face upward should also be chamfered to ensure that water does not pool and speed the process of decay. This is not the case with XPotential Products.

*Our products do not contain wood. They help to preserve woodland resources and forests for the enjoyment of future generations.

Product Information & Specifications

Why are Impact-Curbs™ easier to install than concrete curbs?

Our products can be dropped off a truck deck without cracking or breaking. Unlike concrete, our curbs do not need to be lowered by a hydraulic arm to prevent damage; two people can lift them by hand. This contributes to reduced installation costs.

What is the purpose for different lengths of Impact-Curbs™?

The standards between Canada and U.S.A. are different. In Canada, an 8' curb is normally used while in the U.S. a 6' curb is standard.

Are XPotential Products solid and consistent throughout?

The exterior of the composite is solid and consistent while it is porous in the middle. Our material is heavier than water with an average density of 75 lbs./ft³ (i.e.: specific gravity of 1.2).

Is pre-drilling required for fasteners?

XPotential Products have at least twice the nail and screw retention of wood. Larger fasteners require a pilot hole to prevent binding during placement. As a result of the composite's density, the use of screws is recommended over nails whenever possible. Smaller nails may require a pilot hole to prevent bending.

Do XPotential Products expand and contract with temperature changes?

As with all materials, our products will expand and contract slightly under significant temperature changes. However, the expansion should not be an issue in most applications. For more information, review our engineering specifications.

How should XPotential Products be stored before use?

It is important to store our product as one would store lumber. Stack flat, one on top of the other, on two posts running crosswise to the pile; approximately 18-24 inches in from the ends.

Will XPotential Products flake off at the surface or become brittle after prolonged exposure to ultra-violet (UV) rays? Are they flammable? Will they melt?

The interiors of automobiles, used as our filler, are typically UV stabilized to prevent fading and/or cracking. Also present are additives designed to increase flame-retardant properties. By utilizing this feedstock in our composite, our products take on similar characteristics. The flame spread is tested at 55% of red oak; making our products considerably more flame-resistant than most wood. The melting point is between 114-1240C/237-2550F.

Product Information & Specifications

Do XPotential Products come in sizes and colors not listed in the brochure?

XPotential Products can be manufactured in most sizes from 2 1/2" x 3 1/2" x 8' up to 12" x 12" x 14'. Custom painting, cutting and drilling is also available. Contact your local distributor or XPotential Products Inc. today for pricing and minimum order.

Can XPotential Products be painted?

Our composite contains a significant amount of fiber and is easily painted. As with any material, ensure that the surface is clean and dry before application. For a consistent surface color, we recommend two coats of good quality exterior oil-based, latex or traffic paint.

It is important to note that there is no need to paint, treat or stain our products other than for appearance. They are inherently resistant to the elements throughout. The earthy brown natural color blends nicely with the outdoors.



XPotential Products Material Safety Data Sheet

Limited Lifetime Warranty

XPotential Products Inc. (the "Company") warrants that Impact-Curbs™ and Impact-Posts™ (the "Products") shall not suffer a reduction in structural integrity due to insect damage, rot, mildew or fungal decay, submersion in water, exposure to road salt and periodic contamination with oil or gasoline. If the Products suffer loss of structural integrity due to any of the conditions stated above, the Company will replace the Products at no charge upon presentation of the original bill of sale for the Products by the original purchaser of the Products.

The Company shall be responsible only for the replacement of defective Products. The Company assumes no responsibility for consequential or other damages, directly or indirectly, resulting from the use of the Products, nor does the Company assume responsibility for any direct or indirect damage resulting from the original purchaser of the Products or by any other person. It is the sole responsibility of the purchaser of the Products to determine the fitness of the Products for any use in a particular application.



Contact Us

How to Reach Us

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Telephone: 1-204-224-3933
Fax: 1-204-224-4678

Website: www.xpotentialproducts.com

By mail:

XPotential Products Inc. (Head Office)
P.O Box 126, St. Boniface Postal Station
Winnipeg, Manitoba Canada
R2H 3B4

Physical Courier:

XPotential Products Inc.
999 Redonda Street
Winnipeg, Manitoba Canada
R2C 3R9

General inquiries, comments and suggestions regarding technical support, quotes, freight rates, customs brokerage and specialty items should be directed to Chris Melnyk, Greg Hofsted or James Zonneveld.

Contact Information

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