



R3 by reRubber

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RUBBER TECHNOLOGY reINVENTED

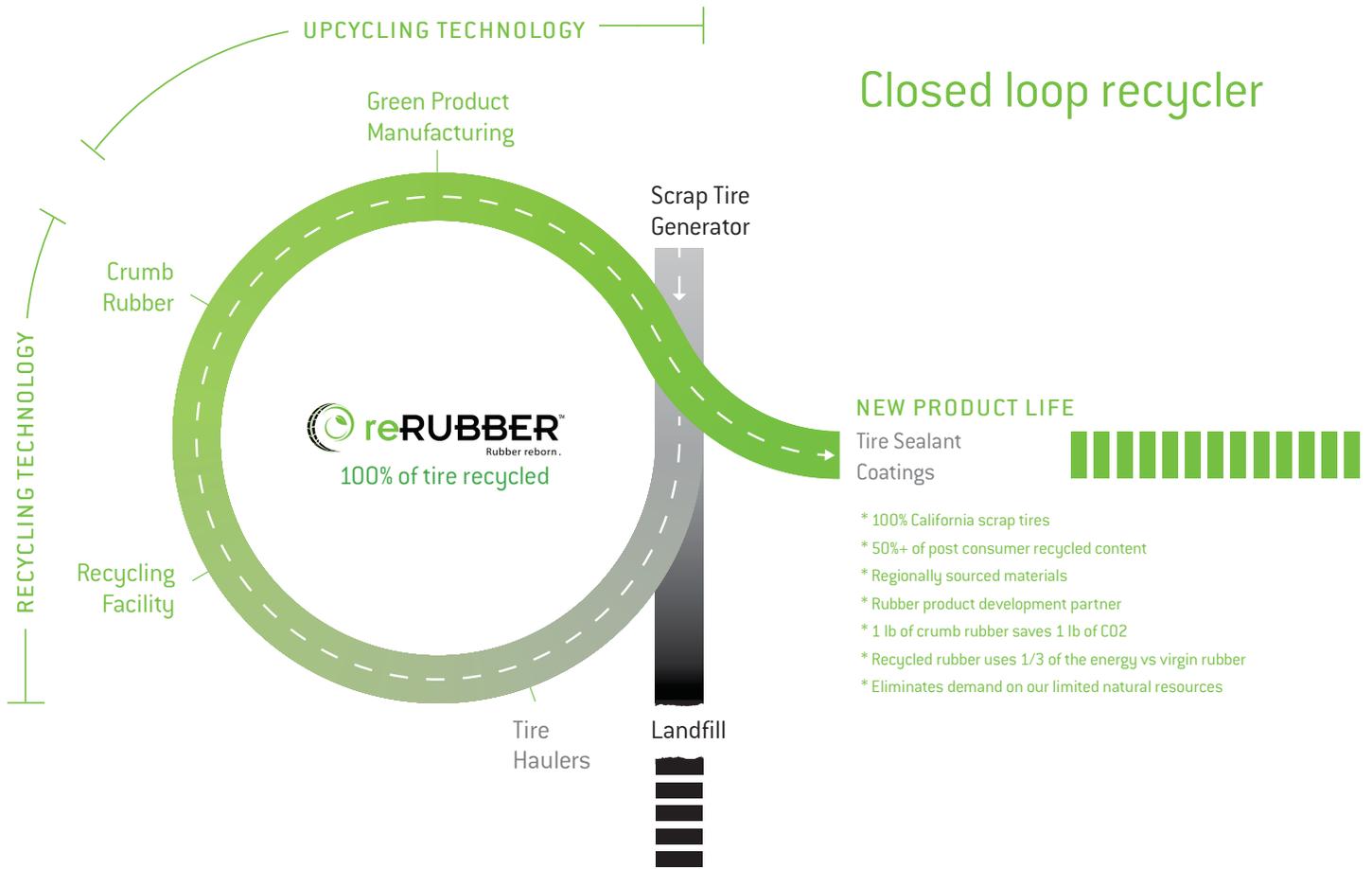


CA Tire Recycling Permit# TPID1544413
Funded by CalRecycle Grant



reRubber is committed to the best “green practices” in the industry and recycles more than 95% of each tire.

“We do not inherit the Earth from our Ancestors, we borrow it from our Children.”
Native American Proverb



reRubber utilizes equipment with a history of over 20 years of proven operational and process excellence.

reRubber equipment is so effective and efficient that it does not create additional waste, uses very little energy and produces the purest crumb rubber. Thus keeping the environment at almost a zero waste impact.

reRubber actively develops new technologies to upcycle crumb rubber into higher value and quality new products.



Rubber technology reinvented



Crumb Rubber

Synthetic Turf
Playground Surfacing
Rubber Modified Asphalt
Molded Products
Rubber and Plastics



Tire Sealant

Extends Tire Life
Prevent Punctures
Maintains Tire Pressure
Works on All Vehicles
Water Based



Automotive Coatings

Bedliner
Undercoat
Garage Floor
Bumper Coating



Infrastructural Coatings

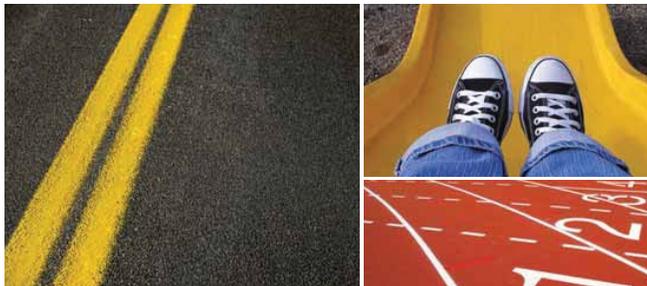
Waterproofing
Crack Sealant
Anti-Corrosion
Energy Saving Top Coat
Cost Effective



Green Building Coatings

Insulation
Waterproofing
Energy Savings
Easy Application
Potential LEED Credits

Crumb Rubber



Recycling old tires

Despite some misconceptions associated with scrap tires, they remain to be one of the few recycled products that perform better than conventional materials used today. There are case studies available to compare both price and performance of recycled rubber products verses other conventional products. There are exciting new developments in surfacing, flooring, roofing, traffic safety and asphalt.

A single production line at reRubber can recycle up to 1,000,000 passenger tire equivalents per year, with capability to scale easily as supply and demand increases. Therefore one line can produce 7,200 tons of rubber, 3,250 tons of nylon and 1,650 tons of steel per year.

PROFILE

6 mesh (3.36 mm) to 200 mesh (0.074 mm) in size at 99.99% purity from steel & nylon [in compliance with ASTM test method D-5644]. This wide range of rubber particle size gives way to many different applications.

AMBIENT CRUMB RUBBER 6-14 MESH

fiber content: <0.1% sample weight: 100g
mass (grams): <0.1% talc weight: 5g

ASTM E11 Sieve No.	mm	Weight Retained(g)	Individual % Retained(g)	Cummulative % Passing
5	4	0.0	0.0	100.0%
6	3.36	2.9	2.9%	97.1%
10	2	81.0	80.2%	16.9%
14	1.41	15.0	14.9%	2.1%
18	1	2.1	2.1%	0.0%
Pan		1.9	0.0%	
Total		102.90	100.0%	

USES

- Synthetic Turf
- Playground Surfacing
- Rubber Modified Asphalt
- Molded Products
- Rubber and Plastics
- Endless possibilities!

BENEFITS

- 100% Recycled Tires
- Guaranteed 99.99% Steel Free
- Non Toxic and Non Abrasive
- Saves our Natural Resources
- Proven Superior Performance
- Easy to Maintain
- Easy to clean
- Environmentally Safe
- Long Lasting

Crumb Rubber

Synthetic Turf, Playground Surfacing, Rubber Modified Asphalt, Molded Products, Rubber and Plastics



reRubber Tire Sealant



How does it work?

When puncture occurs, the tire pressure forces in the tire sealant into the open area, sealing instantaneously around the penetrating object. If the object self extracts then, as the tire rotates the tread area is deformed when in contact with the road surface, the puncture wound is forced open and the product is forced into the puncture wound by the air pressure within the tire.

Is it safe?

It is completely non-toxic and non-hazardous. Our tire sealant complies with all Toxic Substance Authority requirements, and its main ingredient, Propylene Glycol, is an additive found many food products.

What about extreme temperatures?

It has been extensively tested by RAPRA (Rubber and Plastics Research Association) and is certified to -45 degrees without freezing and remains stable at temperatures up to 155 degrees.

Regular vs. Industrial grade

The formula is designed for all types of vehicles, providing enough liquidity to maintain optimal effectiveness, preventing punctures up to 1/4" (6mm) in diameter.

Whether you have a car, SUV or truck, it will increase the reliability and safety of your vehicle. The formula coats the inside of your tire preventing air leakage, tire blowouts and flats caused by punctures and accidents. This also extends your tire life and increases your gas mileage by keeping tires at optimal inflation, saving you money.

BENEFITS

- Easy to install
- Non-flammable
- Non-toxic & non-hazardous
- Will not affect TPMS in wheels
- Works on regular and industrial size vehicle tires
- Made from recycled products
- Eliminates demand on our limited natural resources
- 100% California scrap tires

FUNCTIONS

- Permanently repairs punctures
- Extends tire life
- Keeps your tires cool
- Maintain tire pressure by sealing the micro-pores
- Provides optimum gas mileage
- Keep tires in balance

Tire Sealant

Extends Tire Life, Prevent Punctures, Maintains Tire Pressure, Works on All Vehicles, Water Based



reRubber Automotive Coating System



Protect every inch of your vehicle

reRubber Automotive Coating products are made with recycled rubber particles. The rubber in our products comes from California recycled waste tires. In the U.S. alone, there are hundreds of millions of tires being discarded annually. We are committed to waste tire diversion efforts and are continuously improving our products to include more rubber and achieve better functionality.

reRubber Automotive Coatings Breakthrough Technology

reRubber Automotive Coatings is the only coating in the world that infuses recycled rubber and glass to create an ultra durable and flexible rubber-glass matrix for optimal protection of vehicles and metal substrates. It withstands abuse, looks professional, easy to apply, resists oils and solvents and is half the price of its competitors. The formula used in developing reRubber Automotive Coatings uses recycled rubber densely suspended in a water-based, non-toxic, non-carcinogenic, acrylic paint. The crushed rubber particles create a totally waterproof and incredibly durable surface. Typically, traditional acrylic coatings have lacked the strength for rugged outdoor applications but with the inclusion of recycled rubber and glass we have been able to make a product that is highly durable, flexible, incredibly weather resistant, and easy to apply.

ASTM Test No.	Test Method	Result
ASTM D968	Standard Test Method for Abrasion Resistance	Wood, Metal, Concrete: All Pass
ASTM C1028	Standard Test Method for Determining the Static Coefficient	SCOF Dry: 0.97 SCOF Wet: 0.63 ADA recommends min. 0.60
ASTM C297	Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions	Wood: 208 PSI (substrate cohesive failure) Metal: 239 PSI (within coating cohesive failure) Concrete: 169 PSI (substrate cohesive failure)

KEY FEATURES

- No sanding required
- Brush, roll, or spray application
- Cold weather application (down to 45°F)
- Easy to apply and maintain
- Quick-cure
- Dent & scratch resistant
- Resists oils & solvents

BENEFITS

- 100% California scrap tires
- 70%+ of post consumer recycled content
- Eliminates demand on our limited natural resources
- Costs equal or less than comparable alternatives
- Easy to apply, reduce labor cost
- Non-toxic, low VOC

Automotive Coatings

Bedliner, Undercoat, Garage Floor, Bumper Coating



reRubber Infrastructural Coating System



Powered by crumb rubber

The patented system is able to take a non-toxic, non-carcinogenic acrylic coating and infuses recycled rubber and glass to create a durable and totally waterproof rubber/glass matrix to seal and insulate the surface. It is extremely resistant to environmental damage as well as scrubbing from routine cleaning.

With the reRubber Infrastructural Coating System, you are able to seal or patch any cracks or leaks that may exist with the Caulk Crack Filler. Once cracks are sealed and the surface is dry you are now able to coat with the Primer. This process extends the life of the surface and cost significantly less than other traditional methods.

Potential LEED points Rubberized Coating + Cool Top Coat

ENERGY & ATMOSPHERE	MATERIALS & RESOURCES	SUSTAINABLE SITES
EA Credit 1: Optimize Energy Performance	MR Credit 4: Recycled Content	SS Credit 7.2 Heart Island Effect – Roof
New Construction: 1-19	New Construction: 1-2	New Construction: 1
Core & Shell: 3-21	Core & Shell: 1-2	Core & Shell: 1
Schools: 1-2	Schools: 1-2	Schools: 1
Existing Building: 1-18		Existing Building: 1

ASTM Test No.	Test Method	Result
ASTM D968	Standard Test Method for Abrasion Resistance	Wood, Metal, Concrete: All Pass
ASTM C1028	Standard Test Method for Determining the Static Coefficient	SCOF Dry: 0.92 SCOF Wet: 0.60 ADA recommends min. 0.60
ASTM C297	Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions	Wood: 146 PSI (substrate cohesive failure) Metal: 166 PSI (within coating cohesive failure) Concrete: 110 PSI (substrate cohesive failure)
ASTM E96	Liquid Permeability	Pass

BENEFITS

- 100% California scrap tires
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APPLICATIONS

- Waterproofing
- Crack Sealant
- Anti-Corrosion
- Roofing
- Bridges
- And more!

Infrastructural Coatings

Waterproofing, Crack Sealant, Anti-Corrosion, Energy Saving Top Coat, Cost Effective



reRubber Green Building Coatings



Why Build Green?

In the United States, buildings account for:

- 39 percent of total energy use
- 12 percent of the total water consumption
- 68 percent of total electricity consumption
- 38 percent of the carbon dioxide emissions

The built environment has a vast impact on the natural environment, human health, and the economy. By adopting green building strategies, we can maximize both economic and environmental performance. Green construction methods can be integrated into buildings at any stage, from design and construction, to renovation and deconstruction. However, the most significant benefits can be obtained if the design and construction team takes an integrated approach from the earliest stages of a building project. Potential benefits of green building can include:

ENVIRONMENTAL BENEFITS

- Enhance and protect biodiversity and ecosystems
- Improve air and water quality
- Reduce waste streams
- Conserve and restore natural resources

ECONOMIC BENEFITS

- Reduce operating costs
- Create, expand, and shape markets for green product and services
- Improve occupant productivity
- Optimize life-cycle economic performance

SOCIAL BENEFITS

- Enhance occupant comfort and health
- Heighten aesthetic qualities
- Minimize strain on local infrastructure
- Improve overall quality of life

RE-RUBBER RUBBERIZED COATING SYSTEMS FOR GREEN BUILDINGS

- Seal and protect surfaces from environments
- Coat metal surfaces or objects to prevent rusting
- Insulate and reduce energy cost
- Environment friendly water based coating system
- Strong adhesion properties
- Meets ADA requirements for coefficient of friction
- Contains recycled tire crumb rubber
- Over 50% recycled content
- Durable and elastic
- Easy to apply

Green Building Coatings

Insulation, Waterproofing, Energy Savings, Easy Application, Potential LEED Credits

