



Tire-Derived Products

CALIFORNIA DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY

Community

Recycled tires provide comfortable surfaces and more:

- Slip resistant in wet and dry conditions
- Insulation against cold and damp environments
- Reduced noise levels from sound absorption
- Cushioning properties
- ADA testing and certifications are product specific: check with the manufacturer

Grant Funding Opportunities

While tire-derived products have many advantages including long-term cost savings, some are costly to purchase. To encourage the use of recycled tire products, CalRecycle offers the Tire-Derived Product Grant Program to eligible agencies.

The Tire-Derived Product Grant Program provides funding on a competitive basis to California cities, counties, public colleges, public universities, school districts, qualifying Indian tribes, park and recreation districts, special districts, and state agencies (including offices, departments, bureaus, and boards) for the purchase of tire-derived products. Examples of eligible uses include surface coatings and overlay sprays, playground covers, tracks, playing fields, recreational surfaces, sidewalks, traffic devices, landscape covers, weed abatement mats, tree wells, and mulch derived from 100 percent California-generated waste tires.

CalRecycle's grant cycles typically occur once per fiscal year. For current information about grant eligibility, the application process, and Notice of Funding Availability for tire-derived product grants, visit: www.calrecycle.ca.gov/Tires/Grants/Product.

Interested parties may sign up to be notified with program updates via the tire-derived product listserv at: www.calrecycle.ca.gov/Listservs.

To learn more about other tire grants, including those for rubberized asphalt concrete and tire-derived aggregate, visit: www.calrecycle.ca.gov/Tires/Grants.

Related Resources

The following links provide more information about tire-derived products and manufacturers:

Health and Environmental Impacts
www.calrecycle.ca.gov/Tires/Products/BizAssist/Health

Tire-Derived Products Catalog (includes information about potential LEED credits)
www.calrecycle.ca.gov/Tires/Products/BizAssist/Marketing/Catalog.htm

California Rubber Recycling Network
www.rubberrecycle.org

State Agency Buy Recycled Campaign (SABRC)
www.calrecycle.ca.gov/buyrecycled/stateagency



www.calrecycle.ca.gov

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California Tire Management Program Hotline: (866) 896-0600
email: WasteTires@calrecycle.ca.gov

The Department of Resources Recycling and Recovery (CalRecycle) does not discriminate on the basis of disability in access to its programs. CalRecycle publications are available in accessible formats upon request by calling the Public Affairs Office at (916) 341-6300. Persons with hearing impairments can reach CalRecycle through the California Relay Service at (800) 735-2929.

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Tire-Derived Products

Durable, Cost-Effective, and Environmentally Friendly Products for Use Indoors and Out

There's a second life waiting for California's waste tires. All across the state, companies are producing useful products made from recycled tires – products that fulfill a wide variety of building needs and have been proven safe, durable, smart investments for entities throughout California.

Tire recycling and market development experts at the Department of Resources Recycling and Recovery (CalRecycle) are committed to expanding viable markets for the more than 10 million waste tires landfilled each year in California. Inside this brochure you'll find valuable information about a variety of tire-derived products already on the California market, as well as information about competitive CalRecycle grants available for eligible cities, counties, state agencies, schools, and Indian tribes.

Examples of Tire-Derived Products

Using products made from waste tires is an environmentally- and economically-sound choice. Many products meet Americans with Disabilities Act, Consumer Product Safety Commission, and American Society for Testing and Materials requirements and can earn Leadership in Energy and Environmental Design (LEED) green building points. Check with the product manufacturer for specific details.

Overlays, caulks, and coatings that contain powdered rubber can be used as driveway sealant, spray-on roof repair, and as a reflective cool roof coating.

Accessibility ramps, paths, and sidewalks come in the form of pour-in-place products, modular blocks, or tiles, and reduce aggressive tree root damage. These products are ideal as replacements for conventional cement sidewalks and for use around portable buildings.

Playground surfacing includes custom pour-in-place products, tiles, and loose fill rubber nuggets or mulch. Many of these products meet ASTM standards for safety and accessibility; check with the manufacturer for details.

Flooring and mats that are skid-resistant and reduce fatigue are available in roll-out styles or tiles, and can be used indoors, in weight rooms, on patios, and in many other outdoor areas.



Durable, Cost-Effective, and Environmentally Friendly Products for Use Indoors and Out

Rubberized asphalt concrete contains crumb rubber mixed with asphalt and other aggregates to produce a durable, skid-resistant road surface that can last twice as long as conventional asphalt.

Sports surfacing including tracks, synthetic turf sports fields, and tennis courts made from recycled tires are stronger and more shock absorbent than traditional sports surfaces.

Landscape rubber mulch may be used as a playground surface and meets CPSC, ASTM and ADA guidelines at a depth of 6 and 9 inches, and is also an effective landscaping component that reduces weeds and watering.

Tire-derived aggregate is shredded tire rubber that can be used in a variety of civil engineering projects, from vibration dampening under light rail tracks, to landfill leachate systems, and embankment backfill. It costs less than other lightweight fill materials.

Benefits of Tire-Derived Products

Environmental

Significant energy savings can be achieved by using recycled material. LEED credits can be earned based on the following “green” factors:

- Made from recycled content
- Lighter than traditional counterparts
- Products made from regional materials
- Absorbs and retains less heat than concrete
- Enhanced permeability reduces storm water run-off

Economic

Using recycled rubber saves money in a variety of ways that result in long-term cost savings:

- Superior durability
- Resilient in all climates



- Low maintenance
- Easy installation
- Quality product
- Ultraviolet light stability (products won't readily lose their color)

Procurement of tire-derived products helps to fulfill the state purchasing requirement to buy recycled: tires are one of the 11 purchasing/reporting categories included in the State Agency Buy Recycled Campaign (SABRC).