



We keep the world rolling.
No flats, smoother ride, more protection.

PRODUCT LINE

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POLYURETHANE TIRE FILL - TYRFIL™ FLATPROOFING

Eliminate Flat Tires Forever! Even in the most hazardous environments, tires filled with TyrFil™ can never go flat. Our market-leading polyurethane tire fill solution allows equipment to operate over broken glass, nails, sharp metal, rocks, etc. TyrFil's durability has been proven in thousands of demanding applications including construction, mining, military, waste, and rental equipment.

TyrFil™ Flatproofing is available in multiple durometers and formulations specific to the application. Durometer is used to describe a material's rating on the hardness scale. Higher numbers on the durometer scale indicate a greater resistance to indentation, and thus harder materials. Lower numbers indicate less resistance and softer materials. It is advisable to contact your Regional Sales Manager for correct product usage.

LOW DUROMETER – 10-20

TyrFil™ Flex – Better Than Air-Ride

(10) Has the lowest durometer for maximum deflection and less Solid Shock. Fill of choice for skid steer manufacturers.

TyrFil™ Utility – All Purpose Performance with Less Solid Shock

(20) Has a soft ride and ample deflection in more demanding applications.
Ideal for radials in non-extreme applications.

MEDIUM DUROMETER – 30

TyrFil™ Pro – Our Most Popular General Purpose Material

A general purpose material for use in 90% of tire fill applications.

TyrFil™ Premium – When the Application Calls for Occasional Extreme Conditions

Provides above standard heat dissipation for longer runs and optimum performance.

TyrFil™ Ultra – When the Environment is Extreme

Provides the greatest heat dissipation qualities. Ideal for severe applications such as underground mining where heat and load are extreme.

HIGH DUROMETER – 55

TyrFil™ HeviDuty – For Slow Speeds / Heavy Loads

Provides added durability in high load applications with minimal tire deflection.



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Only TyrFil™ Flatproofing Eliminates Solid Shock!

Solid Shock refers to the harsh impact of G-force vibration transmission to heavy industrial vehicle operators and their equipment from solid aperture tires. Not only is Solid Shock a major source of wear and tear on machines, but it's also a leading cause of operator injury.

Polyurethane-filled pneumatic tires offer the smoothest, safest flatproofed ride as a result of lower G-force transmission. The reduced jarring – made possible with TyrFil™ Flatproofing – decreases premature wear and tear on expensive operational equipment and also eases strain on components. In addition, TyrFil™ Flatproofing provides the best traction and overall stability.



TLC Tire and Rim Protection™ is a highly engineered, environmentally-friendly, non-toxic, non-flammable and non-hazardous safe product. A perfect fit for the mining industry, TLC will keep tires running cooler without sacrificing tire performance. Wheels and components are properly maintained, eliminating premature failures from rust. Because of its superior rust inhibitors, TLC makes dismounting tires easier and safer as less effort is required to separate the bead from the wheel, saving labor time and equipment downtime.

Additionally, TLC promotes safety. TLC's bright Neon Red color allows for easy identification of an extremely slow leak in a cracked wheel or tire, extending tire life and preventing catastrophic failure.

Available in four protection levels: TLC HT (20°F / -7°C), TLC PRO (0°F / -18°C), TLC EXTREME (-20°F / -29°C), and TLC TUNDRA (-40°F / -40°C).



ReSeal Tire Protection™ is a cost-effective and non-hazardous tire sealant made in the USA. It offers light-weight tire protection, sealing punctures up to ½", when your equipment is exposed to harsh conditions. ReSeal is the only tire sealant on the market that contains Dupont™ Kevlar®, a durable, high tenacity fiber that is 5X stronger than steel and used in bulletproof vests.

ReSeal is a perfect fit for many off-road tire applications including but not limited to mining operations, agriculture, construction, ground support, all-terrain, landscaping and waste management.



AutoFil Recycler System

Our Patented AutoFil Recycler System is the only tire fill system on the market that can recycle and reuse post-consumer oil-based tire fill. Since 2002, this machine has made it possible to keep more than 150 million pounds of tire fill out of landfills each year. Its convenient one-step process increases efficiencies and requires very little labor. It's easy to operate by a single person and clean up only takes five minutes.



TyrFil Flushless Pump

The TyrFil Flushless Pump has two gauges for reading output of the ISO and CAT totes. It is equipped with a stroke counter with reset, allowing you to determine the amount of tire fill processed into each tire. The pump is equipped with a thirty-two element mixer for more efficient mixing.



Green Machine

By using our Green Machine tire fill recycling system with TyrFil™ and soon-to-be recycled material, you will use less than 25% of the petrochemicals that have been used in traditional tire flatproofing applications during the past 45 years.

Visit www.CarlisleTyrFil.com for specs, weight charts, and more!

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