



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

PRODUCT LINE

PRODUCT LINE



POLYURETHANE TYRE FILL - TYRFIL™ FLATPROOFING

Eliminate Flat Tyres Forever! Even in the most hazardous environments, tyres filled with TyrFil™ can never go flat. Our market-leading polyurethane tyre 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 – 17 SHORE

TyrFil™ Flex – Better Than Air-Ride

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

MEDIUM DUROMETER – 25-30 SHORE

TyrFil™ Pro – Our Most Popular General Purpose Material

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

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

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

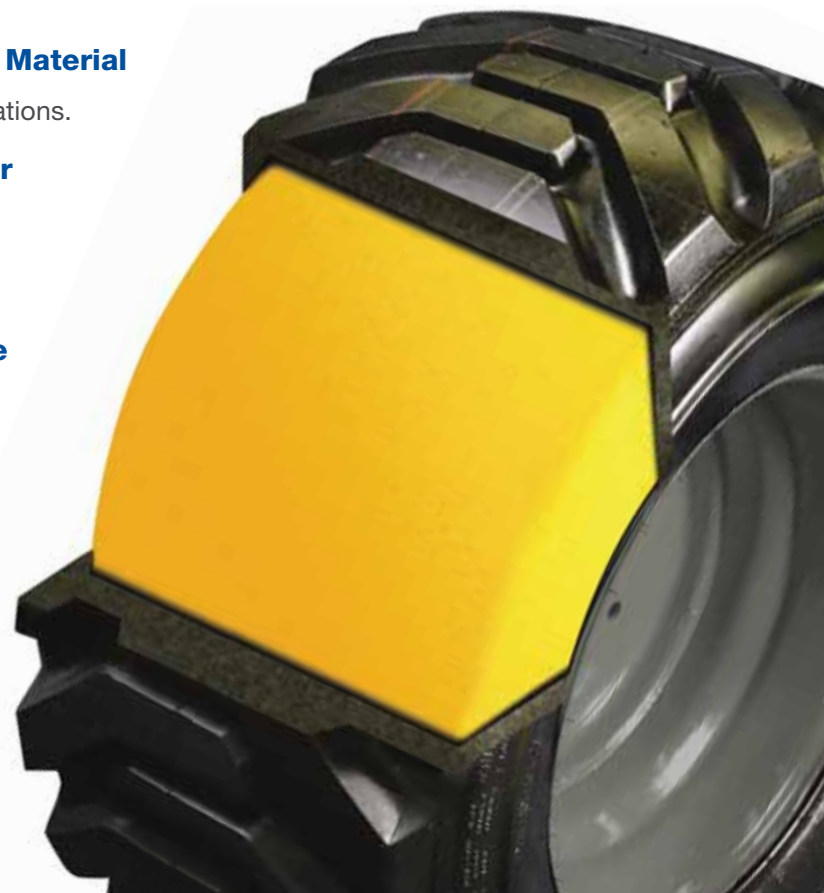
TyrFil™ Ultra – When the Environment is Extreme

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

HIGH DUROMETER – 55 SHORE

TyrFil™ HeviDuty – For Slow Speeds / Heavy Loads

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



We keep the world rolling.

No flats, smoother ride, more protection.

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 tyres. 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 tyres 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 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 tyres running cooler without sacrificing tyre performance. Wheels and components are properly maintained, eliminating premature failures from rust. Because of its superior rust inhibitors, TLC makes dismounting tyres 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 tyre, extending tyre 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™ is a cost-effective and non-hazardous tyre sealant made in the USA. It offers light-weight tyre protection, sealing punctures up to 1/2", when your equipment is exposed to harsh conditions.

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

Recycled TyrFil Granulated Program

As part of our commitment to sustainability, the Dortmund, Germany facility will collect used polyurethane tyre fill material, grind it and offer it back to our customers for use in the Green Machine. This program helps to eliminate the environmental impact of sending used polyurethane tyre fill to the landfill.

* Subject to terms and conditions.





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 tyre fill processed into each tyre. This pneumatic pump is equipped with a thirty-two element mixer for more efficient mixing.



TyrFil EasyFill Pump

An upgrade to the pneumatic TyrFil Flushless pump. Designed and built to fill tyres with a two-component material. This electrical pump features a digital display showing the filling pressure. A safety cut off switch is set so that the system automatically switches off when the maximum pressure of 30 bar is exceeded.



Green Machine

By using our Green Machine tyre 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 tyre flatproofing applications during the past 45 years.



AutoFil Recycler System

Our Patented AutoFil Recycler System is the only tyre fill system on the market that can recycle and reuse post-consumer oil-based tyre fill. Since 2002, this machine has made it possible to keep more than 150 million pounds of tyre 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.

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

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

Carlisle TyrFil GmbH
Buennerhelfstr. 19, 44379 Dortmund, Germany | +49 231 534 679-100 | international@carlisletyrfil.com

