

TyrFil™

A CARLISLE BRAND

One Brand.
Four Formulas.
Zero Flats.

FLATPROOFING FORMULAS FOR EVERY APPLICATION

Different applications demand different flatproof performance and that requires choosing the best formula for the job. Since pioneering the tire fill category in 1971, Carlisle TyrFil remains committed to developing a robust line of flatproofing formulas and matching each to a specific durometer, or hardness level. As a result, your equipment can achieve the precise ride, load support, and durability needed for each job.

Whether you're running a skid steer through a tight yard or a haul truck through an underground mine, you can use a TyrFil formula designed to support it.

How to Choose: The right formula depends on the application, load, speed, and working environment. Carlisle TyrFil helps you match the correct formula to the job — every time.



TyrFil Pro is our most versatile formula, built to perform in roughly 9 out of 10 tire fill applications.

TyrFil™ Pro
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The Go-To Formula for Most Applications

30 Durometer

TyrFil Pro is the most versatile formula, engineered to deliver the right balance of ride quality, load support, and durability across a wide range of equipment and job conditions, making it the go-to choice for roughly 90% of all tire fill applications. When you need a dependable, all-around flatproofing solution that performs reliably shift after shift, choose TyrFil Pro for a proven solution.



TyrFil™ Flex

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The Smoothest Flatproofed Ride

10 Durometer

When operator comfort and terrain adaptability matter most, TyrFil Flex provides ultimate comfort and flexibility. Engineered with the lowest durometer in the TyrFil product line, TyrFil Flex delivers maximum deflection, creating the closest ride you can get next to an air-filled tire, without ever risking a flat. TyrFil Flex is the top choice for equipment like skid-steers, in which operators sit all day and every jolt matters.

Because TyrFil Flex offers greater deflection than any other TyrFil formula, it also puts less strain on wheels, axles, and drivetrains, helping protect the equipment underneath the operator as well as the tire.

The TyrFil Flex Advantage:

- Provides the closest flatproofed ride quality to an air-filled tire
- Reduces operator fatigue on long shifts
- Delivers an ideal option for equipment that needs to flex and adapt to uneven terrain
- Lowers stress on machine components

Best Suited For:

- Ag Tractors
- Amusement Rides
- Backhoes
- Baggage Carts
- Chippers/Trenchers/Etc.
- Compact Utility Loaders
- Concrete Buggies
- Ground Support Equipment
- Irrigation Equipment
- Mowing/ Landscape Equipment
- Personnel Carriers
- Load Graders
- Skid Steers
- Snow Kats
- Sweepers
- Trenchers
- Wheelbarrows

TyrFil™ Ultra
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Built for the Harshest Environments on Earth

30 Durometer

Consider the challenges working in underground mines, extreme heat, or unforgiving terrain. TyrFil Ultra was engineered for the applications like these, in which failure isn't an option and downtime is more than costly — it can be dangerous. Sharing the same medium durometer as TyrFil Pro, TyrFil Ultra is formulated specifically for superior heat dissipation, giving it the rugged durability and thermal stability that severe-service equipment demands.

When one flat can shut down an entire tunnel, backlog a production line, or strand equipment in a remote pit, insist on TyrFil Ultra to keep operations moving and risks minimal regardless of what's underfoot.

> **In underground mining, one flat can shut everything down. TyrFil Ultra keeps you rolling — no matter what's underfoot.**

The TyrFil Ultra Advantage:

- Advanced heat dissipation for high-load, high-heat environments
- Rugged durability built for mining, quarrying, and severe service
- Reduced vibration transmission for sensitive equipment and operators
- Resilience to keep critical operations running and avert costly shutdowns

Best Suited For:

- Armored & Military Equipment
- Compactors
- EM Scrapers
- Excavators
- Front End Loaders
- Haul Trucks
- Rough-Terrain Forklifts
- Paving Equipment
- Railroad Track Repair Equipment
- Scalers
- Slag Haulers
- Straddle Carriers
- Wheel Loaders





TyrFil™ HeviDuty

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Maximum Load Support with Minimum Deflection

55 Durometer

When equipment must move the heaviest loads at the slowest speeds, ride comfort must take a back seat to stability and support. As the hardest TyrFil formula, TyrFil HeviDuty minimizes tire deflection under extreme, sustained loads, making it the best formula for equipment used in jobs measured by tons, not miles per hour.

Because TyrFil HeviDuty is built to carry serious weight without flexing, it helps protect wheels and rims from the kind of load-related wear that softer formulas are not designed to handle — keeping heavy-load equipment stable, supported, and productive.

The TyrFil HeviDuty Advantage:

- Minimal deflection under the heaviest, slowest-moving loads
- Added durability for high-stress, high-load applications
- Ability to keep equipment stable where load support matters more than ride softness
- Ideal complement to TyrFil Pro or TyrFil Ultra on multi-axle or specialty equipment

Best Suited For:

- Aerial Platforms
- Slag Pot Carriers / Slag Haulers
- Cranes
- Heavy-load material handling and transport equipment

FLATPROOFING FORMULAS FOR EVERY APPLICATION

Quick Reference:

Formula	Durometer	Best For	Key Benefits
TyrFil™ Flex	10	Light-duty, ride comfort	Closest ride to air-filled tires; max deflection
TyrFil™ Pro	30	General-purpose material	Industry standard; works in 90% of applications
TyrFil™ Ultra	30	Mining and severe service	Advanced heat dissipation; rugged durability
TyrFil™ HeviDuty	55	Heavy-load, high-stress applications	Hardest fill; minimal tire deflection

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

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