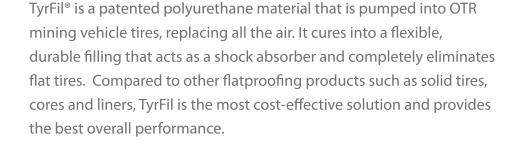
TyrFil® High Performance Flatproofing Technology



"Exposure to mechanical vibration and to vehicle jarring are responsible for over 34% of compensable diseases/injuries in coal mine workers and over 4% over non-coal mining workers."

Analysis of NSW WorkCover figures, 2002-2006.



Performance

- Eliminates 100% of flat tires
- Lowers G-force impact to operator and equipment
- Maintains constant internal pressure and distributes loads evenly
- Extends tire life
- Increases heat resistance
- Eliminates rim slippage
- Improves traction and stability
- More tons of material can be hauled per hour
- Retreadable—up to four times





Safety

- Prevents catastrophic blowouts, critical in underground mining operations
- Eliminates Solid Shock and PneumaticBounce to operator and equipment
- Improves vehicle stabilization,
 enhances ride and reduces operator fatigue
- Helps minimize worker compensation claims

Solid /Aperture Tire

1.51 G-Forces

.6

TyrFil Processed Tire

TyrFil Processed Tires – 19% less G-force transmission to cab/operator than solid aperture tires. Data was collected on a front end loader tested on a track replicating real jobsite conditions.



TLC Tire & Rim Protection

Without TLC



With TLC

TLC Tire and Rim Protection conditions the wheel and maintains cooler tire operating temperatures. The liquid is added to the tire air chamber and coats the inside of the rims to provide rust protection. TLC's rust inhibiting formula, superior coating properties, and continual vapor dispersion extends the life of tires and rims. Plus, TLC is non-toxic, non-flammable, and non-hazardous.

Performance

Reduces Downtime

- Tires run cooler, increasing tire life
- Eliminates premature failures caused by rust
- Disassembly of wheel components is easier, safer, and faster

Reduces Operating Costs

- Reduces labor costs
- Fewer tires need to be purchased

Safety

Helps Prevent Catastrophic Failures

- Residue builds up where any air escapes—easier to identify slow leaks and cracks
- Greater visibility of problems duringpre and post shift inspections
- Reduces operating temperatures to help prevent blow-outs

Reduced Operating Costs Per Year

Additional tire maintenance time taken on average without TLC:



25 Trucks

150 tire change per year 30 minutes

3 Days lost production time

The Testing Proves It



Corrosion Protection

Temperature Range

(-40°C to -6°C).

No matter what the average operating

ambient temperature, there is a TLC

perform from lows of -40°F to +20°F

product specifically formulated to

Protects 2 ½ times better than the competition.

Coating Test



TLC's superior coating ability prevents rust on the entire wheel, extending both tire and wheel life.

Continuous Vapor Dispersion Optimal viscosity level coats entire inner rim and tire -

continues to protect from rust

even while not in motion.

What customers say about TLC:

"Using TLC made dismounting tires easier and safer as very little effort is now required to separate the bead from the wheel"

"TLC allowed us to identify an extremely slow leak in a cracked wheel which allowed us to replace it before it failed."

life of the liner and bead area.



product froze within one hour. TLC did not freeze.







Each grade of TyrFil is designed to meet your particular load, ride, speed, and traction requirements:

TyrFil Flex

- Maximum tire deflection
- Soft air-like ride is easier on equipment & operators
- Ideal for mine support vehicles

TyrFil Ultra

- Medium heat resistance
- Provides optimum performance in the most severe operating conditions

TyrFil HeviDuty

- Minimum tire deflection
- Provides rock-steady stability and safety
- Ideal for moving tremendous weight over short distances



Each grade of TLC is designed to meet the temperature requirements of your mining operation:

TLC TUNDRA

TLC EXTREME

TLC PRO

TLC HT

0°C

-20°F/-29°

0°F/18°C

20°F/-**7**°C

• TLC formulas are also available in a concentrate

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Select the right products for all your OTR vehicles and applications:

	TyrFil Flex Flatproofing Technology	TyrFil Ultra Flatproofing Technology	TyrFil HeviDuty Flatproofing Technology	TLC Tire & Rim Protection
Durometer	10 Durometer	30 Durometer	55 Durometer	
Features	Maximum tire deflection	Medium heat resistance	Minimum tire deflection	 Liquid conditioner for inner rim and tire Reduces running temperatures
				Protects rim from rust
Benefits	 Soft air-like ride is easier on equipment & operators Ideal for mine support vehicles 	Provides optimum performance in the most severe operating conditions	 Provides rock-steady stability and safety Ideal for moving tremendous weights over short distances 	Increases hours on tiresPromotes safety
Shuttle Cars			Short distances	
Scoops			•	
Roof Bolters				
Uni-Haulers				
Scalers		•	•	
Drills	•	•		
Tractors	•			
Personnel Carriers				
Shield Haulers				
Fork Lifts				
Skid Steers	•			
Front End Loaders	•	•		
Haul Trucks	•	•		
Lube Trucks	•	•		
Mechanic Trucks	•	•		
Cranes	•	•	•	
Aerial Lifts	•	•	•	
Backhoes	•			
Graders				

If a flatproofing technology is not required, consult with an Accella Tire Fill Systems sales manager to learn how TLC can extend tire life and reduce downtime in the equipment listed in the above chart.