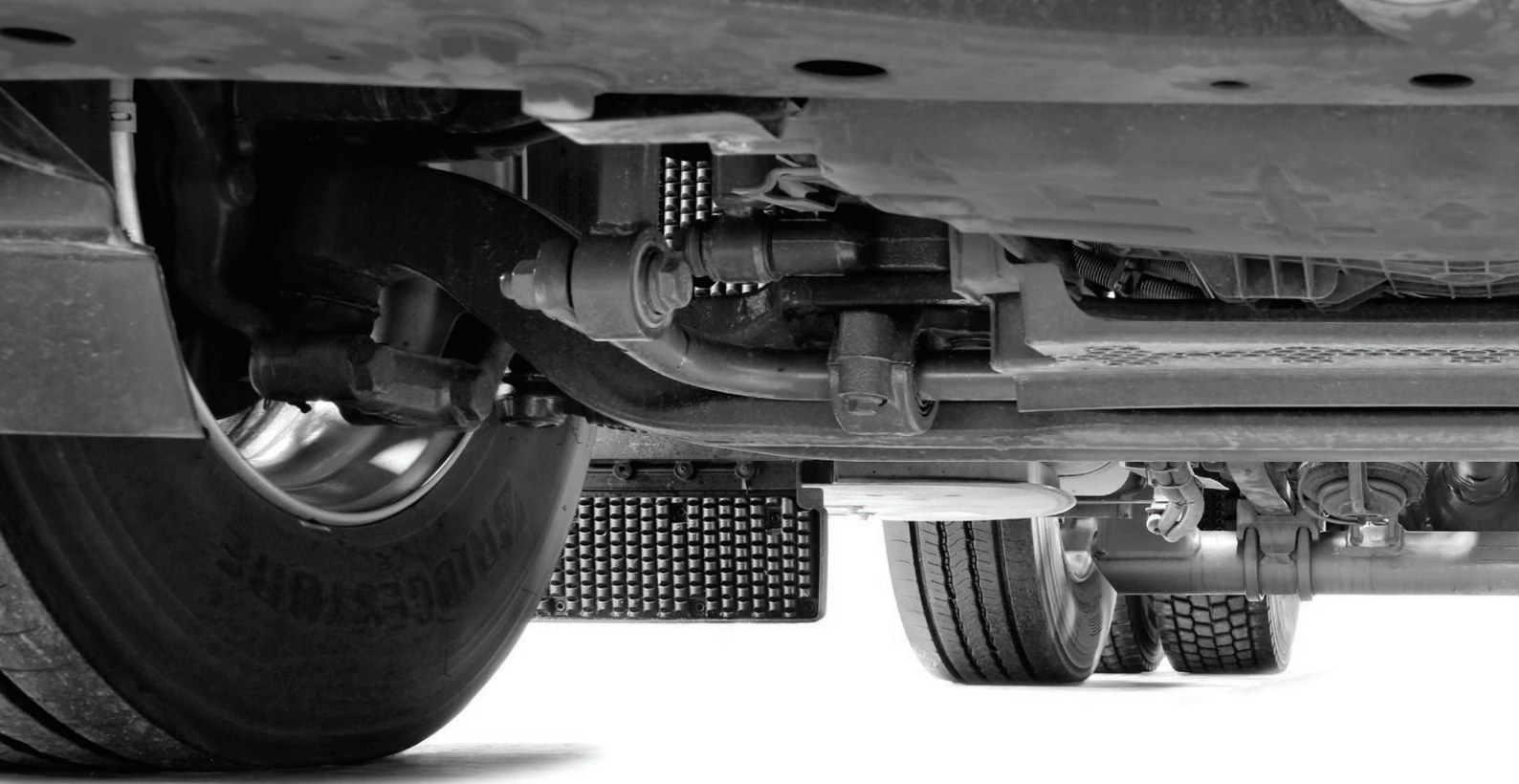


A yellow semi-truck, a yellow sedan, and a yellow double-decker bus are driving on a bridge. The bridge has a white arch and cables. The sky is cloudy. The vehicles are illuminated, suggesting a night or dusk setting.

TEXTAR[®]
BRAKE TECHNOLOGY

THE PERFECT PARTNER FOR YOUR FLEET

Textar brake friction products for commercial vehicles



PREMIUM OE QUALITY FOR THE AFTERMARKET

Textar is the premium brand of TMD Friction, one of the world's largest brake friction manufacturers. At TMD Friction we work in partnership with vehicle, axle and brake system manufacturers to develop application specific friction solutions.

It's our knowledge and expertise that's behind the braking technology and friction fitted to a vast range of commercial vehicles as they roll off production lines. With Textar we provide original equipment solutions to the global aftermarket.





THE PERFECT PARTNER

THE PERFECT PARTNER FOR YOUR FLEET

Be it for truck, trailer, light commercial vehicle, bus or coach, Textar offers disc brake pads and drum brake linings for 100% of all European commercial vehicles. We are driving innovation and were the first brand to introduce lightweight brake pads for commercial vehicles to the aftermarket. Textar is also the exclusive supplier of brake pads for the new Scania SN 7 HP caliper.

The Textar commercial vehicle range is complemented by a full range of brake discs, accessories and wear indicators. And with Textar, every product comes with the assurance of total quality, maximum safety and ultimate reliability.



WE GO TO THE LIMIT SO THAT YOU DON'T HAVE TO

Textar stands for safety. No ifs or buts. That's why, at TMD Friction, we take up to three years to develop a friction product. During this process each new friction component is subjected to the most rigorous tests before its market launch: Up to 300,000 kilometres of testing on the road and up to 2,000 hours of dynamometer testing. Computerised evaluation of braking performance and wear pattern. Rigorous homologation testing in real life conditions. Intensive NVH (Noise, Vibration, Harshness) and comfort engineering.

In addition to dyno testing, TMD Friction has its own fleet and dedicated track to test the brake pads to the extremes; these are also tested together with the brake discs and accessories to replicate real life usage.

INVESTMENT
RESEARCH & DEVELOPMENT
30 MILLION
ANNUALLY



2000 HOURS
DYNO TESTING
PER BRAKE PAD

GOING ABOVE AND BEYOND

While the ECE R90 requirements ensure a good standard for quality, it is not enough for TMD Friction. All our brake friction products are developed to go above and beyond these standards. A pad will only be released into the marketplace once it has passed the manufacturer's strict criteria. The result is a high-quality brake pad that exceeds the legislative norm.

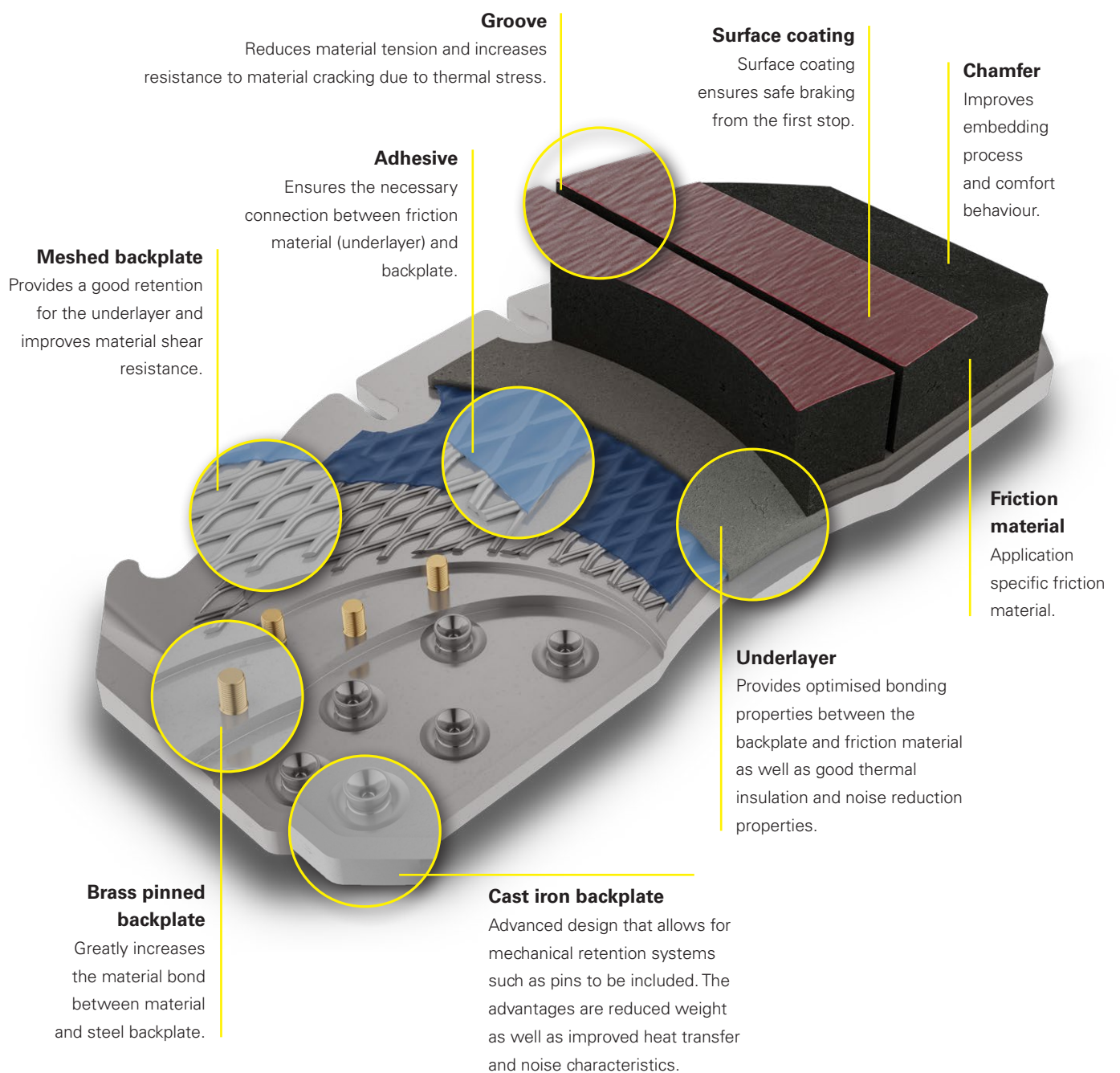
**ECE-R90 – THE MAXIMUM STANDARD FOR MOST.
THE MINIMUM STANDARD FOR TMD FRICTION.**

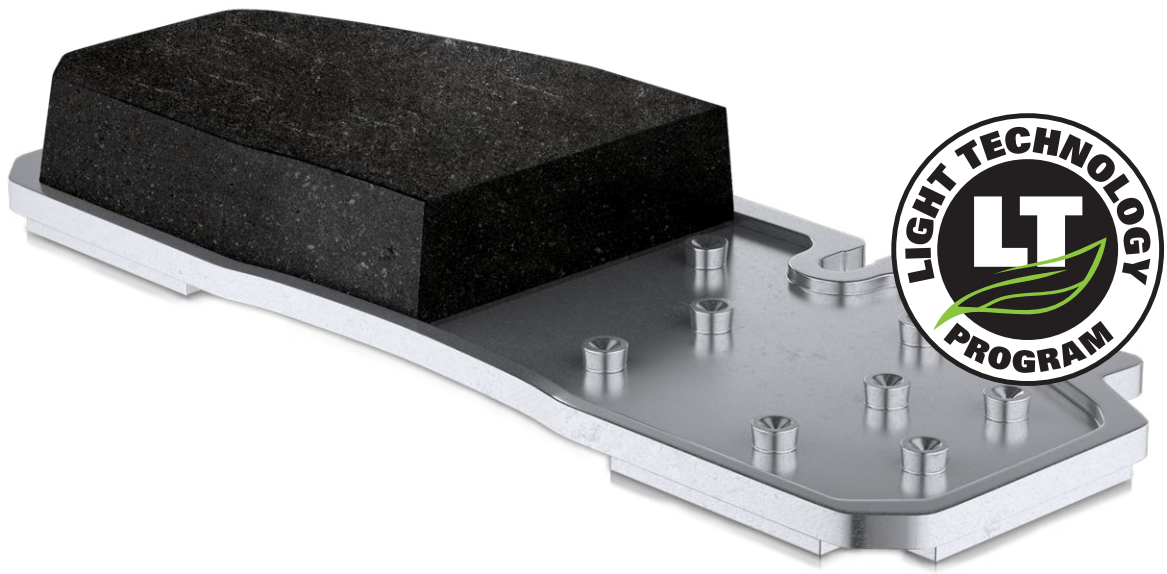
BRAKING PERFORMANCE	ECE-R90	TMD FRICTION
DYNAMIC PERFORMANCE	✓	✓
STATIC PERFORMANCE	✓	✓
COLD PERFORMANCE		✓
HIGH STRESS PERFORMANCE (ALPINE DESCENT)		✓
HOT RUNNER TEST		✓
FRICTION VALUE STABILITY		✓

PHYSICAL TESTS	ECE-R90	TMD FRICTION
COMPRESSIBILITY (HOT+COLD)	✓	✓
SHEAR RESISTANCE	✓	✓
PAD SWELL		✓
CORROSION		✓
PAINT RESISTANCE		✓

DRIVING BRAKE TECHNOLOGY

Textar brake pads for commercial vehicles are engineered to provide all round excellent friction stability and disc compatibility. The friction formulations and technologies that go into our products are carefully selected to match each vehicle's specific requirements.





BRAKING THE FUTURE

Textar sets the trend:
Weight-reducing, cost-saving, environmentally protective

Lighter vehicle components help to reduce vehicle weight – which in turn leads to fuel savings and lower CO2 emissions. TMD Friction is the trailblazer in this sector and Textar brake pads manufactured with the new lightweight backplate* from TMD Friction's Lightweight Technology Program are lighter than conventional commercial vehicle brake pads without compromising safety.

Our engineers have succeeded in reducing the pad weight **without changing the pad geometry** and **without impairing the efficiency** of the brake pads. Therefore, the standard pads used up to now can be replaced with the innovative lightweight brake pads from Textar without difficulty.

Our Lightweight Technology calculator shows the saving potential for your fleet: www.textar.com



* available for Wabco Maxx22, Pan 19-1 & Pan 22-1 applications

THE COST OF OWNERSHIP

For any fleet operator, whether they are running a couple of vehicles, or several hundred, the cost of ownership needs to be understood. Only then can informed decisions be made about the purchase of parts such as commercial vehicle brake pads.

It can be easy to purchase parts based on price alone, but in reality purchasing the cheapest brake pad does not necessarily give value for money. Often what seems like a way of cutting costs may result in even higher long-term costs. As can be seen in the graphic below, these costs could be in reduced life expectancy due to increased pad and disc wear and damage resulting in unplanned downtime, ultimately increasing "cost of ownership".

**BRAKE PARTS
OF RUNNING COSTS**

0.2%

Costs can be split into two categories; standing costs and running costs. Standing costs are those charges that cannot be avoided whether the vehicle is in use or not. Whereas running costs, as the term suggests, refers to the costs when a vehicle is on the road.

Information obtained from a marketing survey. Costs in percentage terms of total running and standing costs, based on an average 40-tonne truck and trailer combination, covering an average of 100,000 kilometres.

65% SAVING
UNPLANNED
DOWNTIME



TAX &
INSURANCE
COSTS



5%

AMORTIZATION
COSTS



20%

FIXED
COSTS



10%

SALARIES



30%

FUEL



19%

MAINTENANCE



5%

SPARE
PARTS



4%

OTHER FEES
(TOLLS ETC)



3%

TYRES



4%

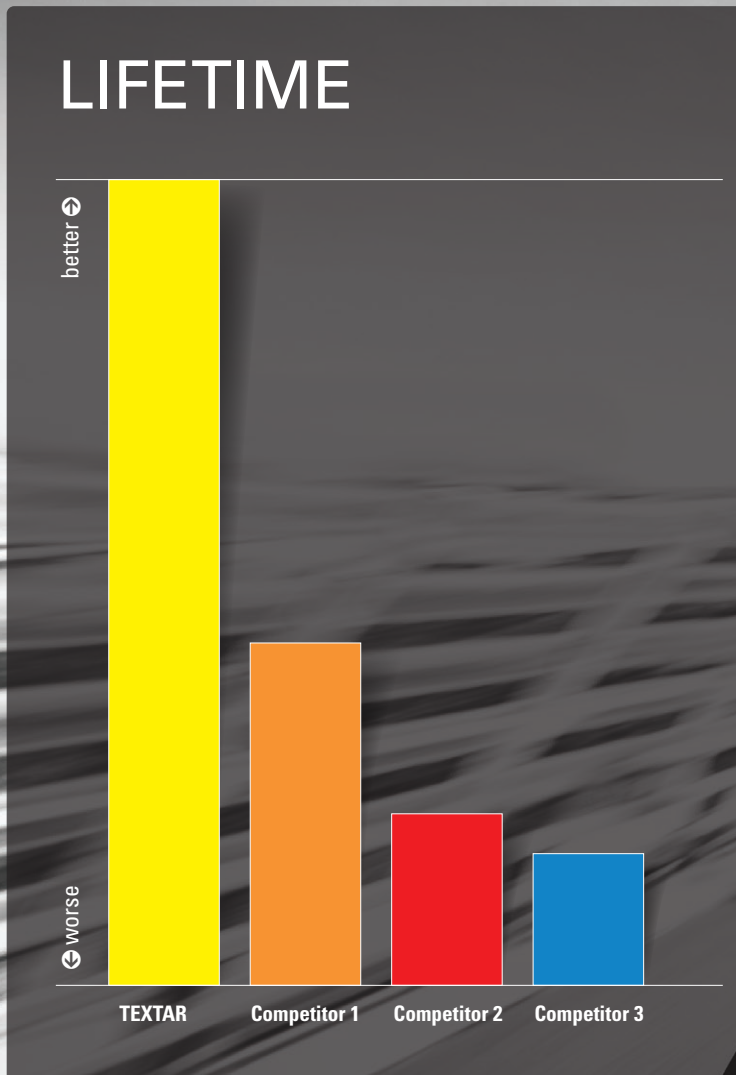


BUY CHEAP

BUY TWICE

Pad wear Textar vs. non genuine products

It has been proven that Textar pads last longer than many cheaper pads in the market, in some cases this means you're getting almost twice the distance on Textar.



BRAKING WITHOUT COMPROMISE.

Because the braking of a vehicle requires far more energy than its acceleration, brake pads and linings in commercial vehicles are continually exposed to high stresses.

Example: With an engine power of 340 kW, a 40 t truck can accelerate to 80 km/h in 45 seconds. In contrast, full emergency braking from 80 to 0 km/h in 3 seconds requires a braking power of 3,300 kW. An unbelievably high stress factor for the rather small friction component. Compromises in terms of quality can quickly become very expensive and most importantly very dangerous.

The risks of non genuine products

Test have shown the alarming safety and performance concerns connected with non genuine brake friction products. With disc cracking being one of the biggest dangers as it can lead to complete brake failure.

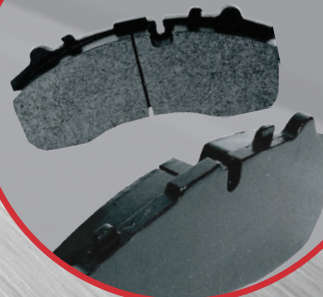
BRAKE FADE



THERMAL DAMAGE & DISTORTION OF BRAKE DISC



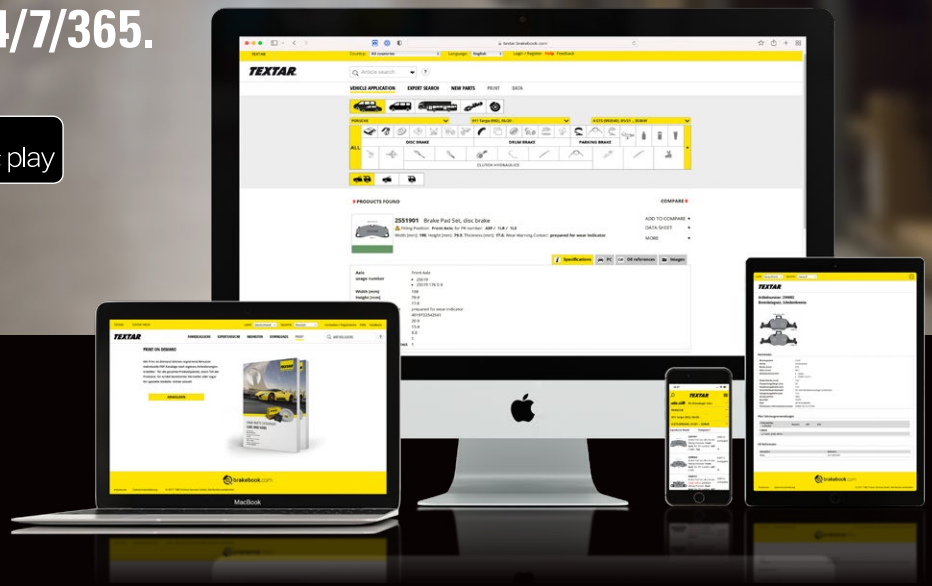
MISSING ACCESSORIES





In addition, Brakebook allows registered users to create pdf catalogues tailored to their individual requirements – either for the entire product range, a selection of products, parts from particular vehicle manufacturers or even special models.

TOTAL SERVICE: 24/7/365.



MORE THAN JUST A CATALOGUE

FIND YOUR PARTS MORE EASILY!

- + Up-to-date catalogue data
- + User-friendly search options
- + Specifically designed to facilitate customer identification of brake parts
- + Create your own catalogue – based on your requirements
- + Barcode scanner and photo pad identification tool

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