



MICHELIN LAUNCHES ITS
X[®] WORKS
Z2 & D2 RANGE:

**AN INNOVATION DELIVERING GREATER FUEL SAVINGS,
A LONGER LIFESPAN AND GREATER ROBUSTNESS
FOR THE CONSTRUCTION INDUSTRY**

PRESS KIT
MAY 2025



A large, black Michelin X Works Z2 & D2 tire is the central focus, mounted on a silver metal rim. The tire is positioned on a rough, gravelly surface, likely a construction site. In the background, a building with vertical slats is visible under a clear sky. The tire's tread pattern is clearly visible, and the words 'X WORKS Z2' are embossed on the sidewall. Three white callout boxes with blue numbers 1, 2, and 3 are overlaid on the left side of the image, each containing text about the tire's performance and technological features.

1

MICHELIN X® Works Z2 & D2 tires deliver excellent results in terms of fuel savings and longevity while maintaining other key performances such as robustness, traction and grip on all types of terrain.

2

Technical innovations to optimize profitability and promote vehicle fleets' ecological transition in the construction and waste-management sectors.

3

Michelin's technological know-how translates to uncompromising performance.



Thanks to numerous innovations, the new MICHELIN X® Works Z2 & D2 range delivers excellent results in terms of fuel savings and longevity without compromising other key performances:



- **Reduced CO₂ emissions:** the new tread design reduces rolling resistance while improving traction and reducing noise. It is also the first range of on- and off-road tires to obtain a B label for rolling resistance on the steer axle.
- **Longer lifespan:** up to 10% longer for the steer axle and up to 25% longer for the drive axle by comparison with the previous range ¹.
- **High-level robustness and retreadability:** 90% ² of MICHELIN casings are accepted for REMIX retreading. Moreover, the sidewall protectors give the tires greater robustness.
- **A load index compatible with electric vehicles:** the load index is 158/150, or up to 8.5 tonnes for single fitment as opposed to 8 tonnes for the previous model.
- **Optimal traction and grip throughout the tire's lifespan:** traction is consistent even under the most demanding conditions, whether the tire is new or used ³. The grip metric is high, with a 3PMSF marking, for improved mobility.

¹ According to an inhouse Michelin study based on a simulation tool, Ladoux research and technology center, 2024.

² According to a study conducted on over 473,000 casings between 2015 and 2018. Data collected in the United Kingdom by TRS, an independent casing collector; retread acceptance rate calculated by brand, for an initial retreading.

³ According to in-house tests conducted on the tracks at Michelin's Research and Technology Center in Ladoux (France) in February and March 2024.

ON JUNE 1, 2025, MICHELIN LAUNCHED THE MICHELIN X® WORKS Z2 & D2 RANGE FOR THE 315/80R22.5 SIZE. THIS LAUNCH WAS FOLLOWED BY THE 13R22.5 X® WORKS Z2 & D2 AND THE 385/65 X® WORKS HL Z2 SIZES IN SEPTEMBER 2025.

Designed for short on- and off-road journeys in regional and urban areas, the MICHELIN X® Works Z2 & D2 range is available for both steer and drive axles. It is marketed throughout Europe.



A new range developed to optimize profitability and promote vehicle fleets' ecological transition

Fleets operating in the construction and waste-management sectors must overcome challenges such as the high cost of fuel, which represents up to 30% of expenditures, the EU regulation on CO₂ emissions, and adapting operations to environmental requirements.

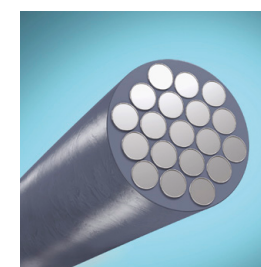
Moreover, minimizing vehicle downtime is essential for a fleet manager to maintain operational efficiency and guarantee customer satisfaction. Vehicle downtime is a major issue that directly impacts profitability and employee safety.

On the strength of its longevity, robustness and low rolling resistance, **THE MICHELIN X[®] WORKS Z2 & D2 RANGE** helps optimize fleets' running costs while reducing their environmental impact.

Michelin's technological prowess translates to uncompromising performance

For over 130 years, Michelin has been channeling its efforts into materials science. It has over 12,000 active patents worldwide, with €1.2 billion allocated to innovation resources in 2024 and powered by a 6,000-strong R&D team. This unique innovation power enables Michelin to meet opposing technical challenges, such as striking a balance between mileage and energy efficiency, or between the environment and safety.

The MICHELIN X[®] Works Z2 & D2 range incorporates: **POWERCOIL**, **DURACOIL**, **OPTICOIL** and **CARBION** technologies.



POWERCOIL TECHNOLOGY

is a new generation of more robust steel cords that enables better resistance to oxidation and improves casing endurance. The steel cords are lighter, which translates to better rolling resistance.



DURACOIL TECHNOLOGY

is a reinforced area between the tire and the wheel provides greater robustness. The high-grade nylon protects the bead wire, providing greater stability while the tire is rolling. This improves the casing's mileage potential.



OPTICOIL TECHNOLOGY

is a new bead architecture that enables significant weight savings, limits raw materials consumption and reduces CO₂ emissions without impacting the tire's performances and reliability.



CARBION TECHNOLOGY

is a material produced by an innovative compounding process in which certain tread components are mixed while they are in a liquid state, which creates a more homogeneous compound. This material increases the tire's mileage potential and improves rolling resistance.

Photos and/or attachments available at:



Michelin is building a world-leading manufacturer of life-changing composites and experiences. Pioneering engineered materials for more than 130 years, Michelin is uniquely positioned to make decisive contributions to human progress and to a more sustainable world. Drawing on its deep know-how in polymer composites, Michelin is constantly innovating to manufacture high-quality tires and components for critical applications in demanding fields as varied as mobility, construction, aeronautics, low-carbon energies, and healthcare. The care placed in its products and deep customer knowledge inspire Michelin to offer the finest experiences. This spans from providing data- and AI-based connected solutions for professional fleets to recommending outstanding restaurants and hotels curated by the MICHELIN Guide. Headquartered in Clermont-Ferrand, France, Michelin is present in 175 countries and employs 129,800 people.

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