Pirelli expands Elect range with two new P Zero Tyres for the Porsche Taycan

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P Zero R for sporty and efficient daily driving
Elect technology debuts on track with P Zero Trofeo RS

Pirelli P Zero R and P Zero Trofeo RS have been chosen by Porsche for the restyling of the Taycan and will be the only tyres available on the Taycan GT, the sportiest variant of the range. The first is designed for supercars' everyday driving, while the second is a street-legal semi-slick tyre. Both tyres were launched earlier this year and have been specifically adapted, in collaboration with the German carmaker, to enhance the sportiness and efficiency of the vehicle. Both feature the Elect marking on the sidewall, indicating a package of technological solutions to suit the characteristics of electric vehicles and made its debut in 2019 on the first generation of the Porsche Taycan. Today, Porsche's range

includes over 30 Pirelli homologated tyres with Elect technology designed to accompany Porsche's electric transition on different models, such as the Macan.

Driving pleasure and efficiency with P Zero R

Designed to enhance the dynamic qualities and driving pleasure of the Porsche Taycan, the P Zero R tyres homologated for this model are dedicated to daily driving while also being suitable for sportier outings. This objective was achieved thanks to Pirelli's experience as a supplier of the most high-performance models, as well as the development of the Elect technology package, which helps highlight the improved aspects of the car compared to the previous model, such as comfort and battery range. The double-ply carcass makes the tyre structure very resistant and capable of supporting the weight exerted especially on the rear by the aerodynamic load and the presence of the batteries. In this way, the car is stable even at high speeds. To manage the sudden accelerations typical of electric motors, in addition to the reinforced structure, the multi-compound tread, made possible thanks to Pirelli's patented Resin Blend technology, is also functional. The materials inside the compound work in synergy to offer grip in a wide range of temperatures and road surfaces, allowing for high performance even in wet conditions. The tread pattern is designed to minimize noise, while the efficiency required by Porsche is achieved through the combination of compounds and tread pattern, which reduces rolling resistance.

P Zero Trofeo RS, track-oriented variant born at Nürburgring

Safe for road driving but track-oriented, the P Zero Trofeo RS is the sportiest variant supplied by Pirelli for the new Taycan. In fact, it is the top high-performance tyre in Pirelli's road range, a semi-slick tyre made with specially designed compounds derived from rally products. The specific development of the P Zero Trofeo RS for the new Porsche Taycan allows the car to achieve the maximum in track driving, thus providing high performance on dry surfaces, cornering grip, and consistency that allows for repeatable results over time. Both Pirelli and Porsche put a big effort into the joint development of the tyres. Testing them together with the driving dynamic engineers from Porsche and the development driver Lars Kern was key to achieving the superb driving behaviour and the highest performance especially adapted to the aims of Taycan GT on the Nürburgring, where the EV sportscar traveled at speeds over 300 km/h. A series of construction solutions were adopted to optimize the tyre's contact patch even at high speeds: the dedicated compound provides grip and stability, the outer shoulder of the tread has a low number of grooves to provide support in conditions of strong lateral acceleration, and the pattern is designed to ensure quick and uniform heating along the entire contact patch. So much so that, even for the most demanding track sessions, this tyre does not require electric blankets. To make the development process faster and more efficient, Pirelli's Virtual Geometry Development system compares a very high number of possible profiles and tread models in a digital environment to define in detail the characteristics and behaviour of the tyre.

Both the P Zero R and the P Zero Trofeo RS developed for this model are available in sizes 265/35ZR21

and 305/30ZR21. To complete the range of Pirelli options for the Porsche Taycan, over the years the company has developed the P Zero, P7 All Season, P7 Blue, and P Zero Winter, with sizes ranging from 19 to 21 inches.

MEDIA ENQUIRIES

Mayk Wienkötter

Spokesperson Panamera and Taycan
+49 (0) 170 / 911 8684
mayk.wienkoetter@porsche.de

Consumption data

Taycan Turbo GT (WLTP)*: Electrical consumption combined: 21.2 – 20.5 kWh/100 km; CO_2 emissions combined: 0 g/km; CO_2 class: A

Taycan Turbo GT with Weissach package (WLTP)*: Electrical consumption combined: 20.8 – 20.7 kWh/100 km; CO_2 emissions combined: 0 g/km; CO_2 class: A

*Further information on the official fuel consumption and the official specific CO_2 emissions of new passenger cars can be found in the "Leitfaden über den Kraftstoffverbrauch, die CO_2-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Fuel Consumption, CO_2Emissions and Electricity Consumption Guide for New Passenger Cars), which is available free of charge at all sales outlets and from DAT (Deutsche Automobil Treuhand GmbH, Helmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen, www.dat.de).

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