high performance in motion

REI PX: the independent-element chamois pad by TeoSport

A structure that manages pressure, movement and ventilation by working with the body rather than against it.

TeoSport presents REI PX, a new chamois pad for road and gravel cycling. It is based on a structure of independent foam elements that compress and flex individually in response to load while maintaining a stable base. The aim is to promote more effective pressure distribution, accommodate pelvic movement and create spaces for airflow.

During pedalling, the pelvis changes position and the pressure on the saddle varies according to intensity, position and terrain type. REI PX addresses this variability with PX technology. This construction approach uses independent elements rather than a single surface. The underlying idea is to allow the elements to move, compress and flex individually in response to load while the structure as a whole adapts to changes in the rider's position.

The three-dimensional construction of REI PX incorporates a 90° thermoforming of the side flaps and a special 45° shaping of the foams, designed to follow the body's natural contours and the rider's position on the saddle. The progressive geometry of the foams eliminates unevenness and abrupt changes in thickness, ensuring a smooth transition between the different zones of the chamois and reducing bulk and interference that could compromise feel, freedom of movement and contact with the saddle.

Ventilation is equally central to the project. The spaces between the PX elements form channels that facilitate airflow and dissipate heat and moisture in the areas of greatest contact. To complete the system, the base is equipped with mechanical perforations extending across its entire surface, designed to improve breathability in the contact area between the body, the chamois and the shorts.

The name itself reflects the philosophy of the project: REI recalls air and lightness, while PX evokes pixels—small elements that combine to form a larger structure. This is a clear reference to the construction logic of the chamois, in which distinct elements work together to create an integrated system.

With REI PX, TeoSport continues its research into materials and geometries with a very specific goal: to develop chamois pads that do not merely provide cushioning but interact with the rider's movement, managing pressure, support and ventilation in a controlled manner.

REI PX will be presented at Performance Days, where the TeoSport team will be available to discuss in greater depth the design features and technical solutions behind the new chamois.

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