



DISCOVER RIGICORE®

- THE FUTURE OF SUSTAINABLE HIGH-PERFORMANCE MATERIALS

This innovative RigiCore material incorporates up to 40% recycled carbon, making it a 100% recycled high-performance solution with superior strength and stiffness.

RigiCore® profiles, well-suited for building products. Primo's solutions are unique worldwide.



WHY CHOOSE RIGICORE®?

SUSTAINABILITY AT ITS BEST

By using post-use and post-industrial waste, RigiCore significantly reduces environmental impact while maintaining high quality.

HIGH STRENGTH AND STIFFNESS

RigiCore can be designed to substitute traditional materials, including aluminum, and with far less environmental cost. Thanks to its high strength and stiffness, it is a perfect choice for projects requiring durability and performance, all while reducing the environmental footprint.

LIGHTWEIGHT ADVANTAGE

With a density less than half that of aluminum, RigiCore offers weight-saving benefits, making it ideal for industries where reducing weight is crucial, without compromising on performance.

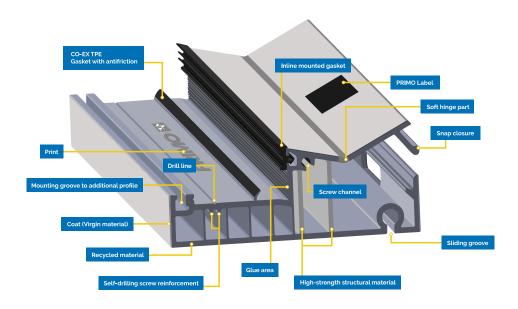
INLINE MACHINING

RigiCore can be extruded using in-line processes, unlike e.g. metal or pultruded profiles which requires multiple, separate processes (cutting, stamping, milling, and surface treatment). This streamlines production, cuts costs/hours for our customers, and reduces CO2 emissions associated with multiple manufacturing steps.

PROPERTIES	EN/ISO TEST METHOD	SI UNIT	TYPICAL VALUE
Density	1183	g/cm ₃	<1,27
E-modulus	527-2	MPa	~15.000
Tensile strength	527-2	MPa	~90
Charpy impact	ISO 179-1eU	kJ/m²	~30
Elongation at break	527-2	%	~2
CO2-footprint (GWP)	-	Kg CO2e/kg	<1,17
Color	-	-	Carbon Fibre



EXTRUDED PLASTIC PROFILES COVER A WIDE RANGE OF FUNCTIONALITIES.



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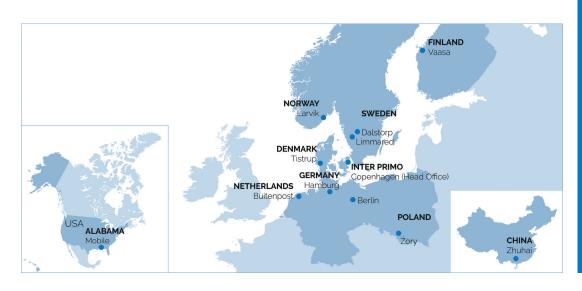
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