MARINA TEXTIL

marlan

Marlan is a permanent flame resistant fabric collection, specifically designed to protect against molten metal splashes for professionals working in the foundry industry.

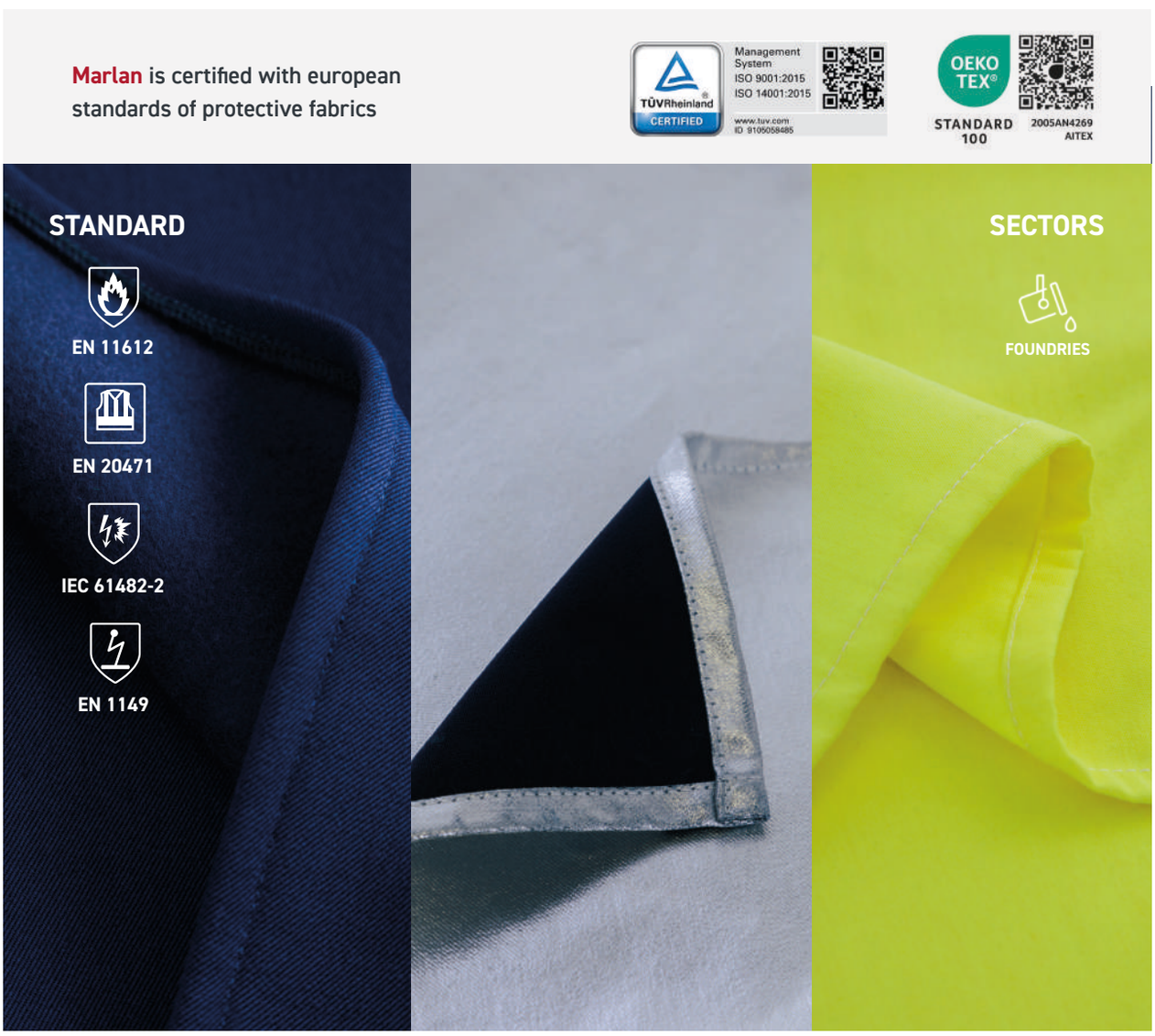
The Marlan collection meets the highest standards of both European and American norms related to molten metal hazards.

According to the European Standard EN ISO 9185, fabrics in the Marlan range have been awarded D3, the highest rating for protection against molten aluminium splashes, and E3 for molten steel/iron splashes. Furthermore, they provide excellent protection against other molten material splashes including zinc, nickel, lead, cryolite, and more.

The combination of wool and flame-resistant fibres in Marlan fabrics offers outstanding thermal insulation, effectively preventing molten metal from sticking to the surface — a common problem with synthetic materials.

This issue remains problematic even for synthetic fabrics that have undergone special finishing treatments, such as non-durable flame-resistant chemical finishes or FR-treated fabrics.

Marlan protective properties are inherent, meaning the level of protection does not diminish over time or after repeated laundering. The technical performance of Marlan fabrics remains unchanged throughout their entire lifespan.



Marlan is a permanently fire-resistant fabric collection, specially developed to protect against large aluminium splashes (750 °C) and cryolite (1,100 °C), as well as splashes from iron, steel, and other molten metals such as copper, magnesium, lead, or nickel. The collection surpasses various European **EN** and American **ASTM** standards.

Fabrics within the Marlan range achieve the highest possible ratings for protection against molten aluminium (D1, D2, D3) and molten iron/steel (E1, E2, E3), in accordance with the **European EN ISO 9185** standard.

The following table presents a side-by-side comparison of **Marlan®, Marlan V® and Marlan Plus®** fabrics, highlighting their respective weight and protection levels against common industrial molten substances such as aluminium, cryolite, steel, copper, slag, and zinc. Each fabric's resistance is classified according to standardized **D and E performance ratings.**

	Model	Aluminum	Cryolite	Iron
MARLAN®	310	D3	100	E3
	365	D3	85	E3
	460	D3	>100	E3
MARLAN V®	V255	D2	55	E2
	V315	D3	75	E3
	V370	D3	85	E3
	V465	D3	>100	E3
MARLAN PLUS®	235	D2	100	E1
	300	D3	100	E3
	350	D3	>100	E3
	350RS	D3	>100	E3

The key to the protection offered by these molten metal-resistant fabrics lies in the blend of wool and inherently flame-resistant fibres. This combination provides excellent thermal insulation and also prevents molten metal from sticking to the fabric — a major issue with synthetic fibre-based fabrics.

FOR MORE INFORMATION
READ THE CODE

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