

## KORGAN – Advanced Protective Workwear System

**Category:** Heat & Molten Metal Resistant Garment

**Product Type:** Jacket + Trousers Set

**Fabric:** *Marlan Plus 350* (350 g/m<sup>2</sup>)

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### Product Description

**KORGAN** is a high-performance personal protective clothing system designed for professionals working in **foundries, steel and iron plants, cement factories, and power stations** — environments where workers are exposed to **intense heat and molten metal splashes**.

Made from **Marlan Plus 350** fabric, it **will not ignite even under direct flame contact**, offers **outstanding thermal resistance**, and **repels molten metal splashes** to prevent skin contact.

Its **antistatic properties** provide additional protection against electrostatic discharge hazards.

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### Technical Specifications

Feature	Description
Fabric weight	350 g/m <sup>2</sup>
Material	Marlan Plus 350 (natural fiber blend with antistatic properties)
Design	Two-piece suit – jacket and trousers
Breathability	High – allows excellent air circulation, reduces perspiration
Skin compatibility	Gentle on sensitive skin, hypoallergenic
Durability	Maintains performance after repeated washing
Color fastness	Tested per EN ISO 105-X12 / E04 / C06

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### Standards & Protection Levels

Standard	Rating / Description
EN ISO 11612:2015	A1 A2 B1 C1 D3 E3 F1 – protection against heat, flames, and molten metal
EN ISO 11611:2015	A1 A2 – Class 2 – protection during welding and related processes

Standard	Rating / Description
EN 17353:2020	Type B2 – high visibility under low or medium-risk conditions

### Maximum Protection (D3 & E3):

Withstands **350 g molten aluminum** and **200 g molten iron** without adherence — molten metal runs off easily, ensuring zero skin contact.






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### Application Areas

- Foundries and casting plants
- Steel and iron production facilities
- Cement and refractory industries
- Power plants and maintenance operations

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### Key Advantages

-  *No metal adhesion:* molten splashes slide off naturally
-  *High breathability:* comfortable and sweat-reducing
-  *Lightweight ergonomic design:* freedom of movement during long shifts
-  *Durable and washable:* maintains protective performance
-  *Cost-effective:* long service life reduces replacement frequency

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### Conclusion

**KORGAN** delivers superior safety, exceptional comfort, and unmatched durability — redefining industrial workwear standards.

**KORGAN – More protection. More comfort. More performance.**