



**TECHNICAL DATA SHEET**



**Metprotek D3E3 IFR 330gsm Trousers**

**PRODUCT INTRODUCTION**

Metprotek Inherently Flame Retardant (IFR) Trousers are a crucial element of personal protective equipment (PPE) designed to safeguard workers in environments where exposure to molten metal, flames, heat, and flash fire hazards is a risk. IFR Trousers are made from the fabric that have built-in flame-resistant properties that do not wash or wear out over time. This makes them a reliable choice for industries such as molten metal ( aluminium, zinc,iron) , oil and gas, electrical utilities, firefighting, and other sectors where fire hazards are preva-



**SPECIAL FEATURES**



STYLE	FABRIC COMPOSITION	TRIM	MARKING
Trousers	100% Inherent Flame Retardant Fabric 330gsm (FR Viscose/ Wool/ Nylon) ±5%	100% FR Thread FR Zipper FR Plastic Snap Button FR Reflective Tape	Manufacturer Logo Model No. Fabric Composition Certification Size

FEATURES
Skin friendly fabric
Protection against molten aluminium
Protection against molten iron
Protection against radiant heat
FR performance will never wash out
The garments created with oxidized fibers to provide increased thermal resistance under continuous exposure to a thermal hazard
More breathable & comfortable

STORAGE
May be stored in the dark for upto 2 years
Do not store in direct/high heat or sunlight at this may distort the properties of the fabric
Can be stored and transported in their original cartons at ambient temperature

CLEANING
Use light detergent for gentle wash

APPLICATION
Blust Furnace
Pot Room
Slag Remove

COLOUR	AVAILABLE SIZES
Navy Blue & Red	S, M, L, XL, XXL, XXXL

DESIGN
Trousers with FR silver reflective tapes on below knee
Front adjustment with zipper & snap button closure
Two side pockets
Two cargo pockets with Red flap
One back pocket
Waist adjustment with belt loops

PACKING
1 pc per packet

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**CERTIFICATIONS**



**EN ISO 11612**

Specifies performance requirements for protective clothing made from flexible materials, which are designed to protect the wearer's body from heat and/or flame, describe in below chart:

**EN ISO 11612:2015**

CODE	INSPECTION CHARACTERISTIC	STANDARD	LEVELS
A	Limited Flame Spread, Surface Ignition	ISO 15025	1 ( Lowest 1, Highest 3)
B	Convective Heat	ISO 9151	1 ( Lowest 1, Highest 3)
C	Radiant Heat	ISO 6942	1 ( Lowest 1, Highest 4)
D	Molten Aluminium	ISO 9185	3 ( Lowest 1, Highest 3)
E	Molten Iron	ISO 9185	3 ( Lowest 1, Highest 3)
F	Contact Heat	ISO 12127	1 ( Lowest 1, Highest 3)



**EN 1149-5**

Test method for materials to be used in the production of protective clothing with electrostatic dissipation for preventing incendiary discharge.



**ASTM F1959**

Test method used to calculate quantitative results (arc ratings) for FR fabrics. Arc ratings are a measure of thermal protection provided by the fabric in an arc flash.



**EN ISO 11611**

Test method specifies the minimum safety requirements for protective clothing for welding and allied processes.



**IEC 61482**

The overall standard that covers protective clothing against the thermal arc hazards of an electric arc.



The above mentioned goods meet the Human-Ecological requirements of the STANDARD 100 by Oeko-Tex presently in ANNEX 4 for products direct contact to skin.

**INDUSTRY**



**WASHING INSTRUCTIONS**

- Wash at maximum 60°C
- Use liquid detergents only
- Do not dry clean
- Wash in an industrial washer
- Never use chlorine bleach
- Do not iron
- Tumble dry at low heat





**MT330NRT**  
**D3E3 Trousers**



**D3E3 TROUSERS SIZE CHART**

SIZE	S	M	L	XL	XXL	XXXL
LENGTH	41"	42"	43"	44"	45"	46"
WAIST	30"	32"	34"	36"	38"	40"
HIP GIRTH	20"	21"	22"	23"	24"	25"
LEG OPENING	7" 1/2	8"	8" 1/2	9"	9" 1/2	10"

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