

IST ISCI SAGLIGI TECHIZATI CO., LTD.

Dedicated to safety



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ABOUT IST



Since 1979, **IST ISCI SAGLIGI TECHIZATI CO., LTD.** produces a complete range of equipment and systems for

Occupational Safety

Worker's Health

Civil Defense

Fire & CBRN & Personal Protection

Headquarters and factories are located in Ankara and two sales offices are located in Istanbul. Our operations extend around the country through our distributors.

IST products are certified according to 89/686/EEC Personal Protection Equipment directive and related harmonized European Standards.

Our company is EN-ISO 9001:2008 certified.

Certification



ABOUT IST

- **Wide Experience**

- 35 years experience on safety products, 15 years experience on protective garments

- **Extensive Range of Products**

- Heat and flame retardant garments for Industrial applications
- Basic and professional firefighting applications,
- Garments designed for special applications like welding, molten metal splash, electric arc etc...

- **Research and Development**

- Laboratories and Test Facilities.

- **Innovation**

- Constantly developing for the needs of our customers with the global advancements

- **Global Sales and service**

- Serving to 5 continents and more than 30 countries

Dedicated to Safety

IST PRODUCTION LINE

- Emergency Showers & Eyewashes
- Multi-Functional Protective Clothings
- Fire Fighting Suits
- Aluminized Fire Proximity Suits
- Heat and Flame Protective Clothings for Industrial Purposes
- Protective Clothings against molten metal and aluminium splash and radiant heat
- Arc Flash Clothings
- Air Cooled Kiln Entry Suits
- Fire Blankets
- Gas Masks and Filters
- Airline Breathing Systems
- Safety Storage Cans & Plunger Cans

To maintain our position at the forefront of protective equipment technology, we operate with the most complete and well funded R&D facilities in the safety equipment industry.

IST Safety 's R&D Team continuously improves products according to EN Standards and performs product testing at our own laboratories.

IST PRODUCTION LINE



REGISTERED TRADEMARKS

ARITAN® - FULL FACE MASKS

FYRPRO® - FIREMAN GARMENTS

FYRAL® - ALUMINIZED FIRE FIGHTING GARMENTS

FYRTEX® - INDUSTRIAL HEAT AND FLAME PROTECTIVE GARMENTS

ELECTPRO® - ELECTRIC ARC PROTECTIVE GARMENT

HEATPRO® - AIR COOLED SUITS

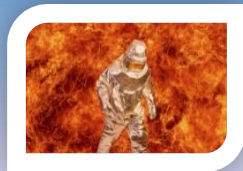
ISTAIR® - BREATHING APPARATUS

ISTEC® - EMERGENCY SAFETY SHOWERS

SAFECAN® - SAFETY CANS

are some of the registered and well-known trademarks of IST.

IST TEXTILE PROGRAM



FYRAL®

Aluminised Fire Proximity Suits
EN 1486

FYRPRO®
Fireman Garments
EN 469



**IST TEXTILE
PROGRAM**

THERM- ACT
Thermoactive and
Active Products

FYRTEX®
Industrial FR Garments
EN 11612



WELDING
Protection
EN 11611

ELECTPRO®
Electrical Arc
Protection
EN 61482

SPLASH GUARD
Molten Metal
Protection
EN 11612 D3-E3

WILDLAND
EN 15614

HEATPRO®
Air Cooled
Kiln Entry
EN 15614

**IST Knitted
Products**
EN 11612
EN 13911

FYRTEX®

Heat and Flame Protective Garments



FYRTEX®

Heat and Flame Protective Garments

- Excellent Flame and Heat Protection
- Light weight,
- Moisture regulation; Cooler and Dryer
- More Comfortable
- High Durability
- Unique properties for special applications.

ADVANTAGES

- Cost-effective
- Patented Brandnames
- Environmentally Friendly

**EUROPEAN NORM:
EN 11612**



STANDARDS

- **EN ISO 11612** - Protective clothing - Clothing to protect against heat and flame
- **EN ISO 11611** - Protective clothing for use in welding and allied processes
- **EN 61482** - Protective clothing against the thermal hazards of an electric arc
- **EN 1149** - Protective clothing - Electrostatic properties

IST PRODUCTS ARE CERTIFIED ACCORDING TO THE RELATED EUROPEAN NORMS AND CE MARKED

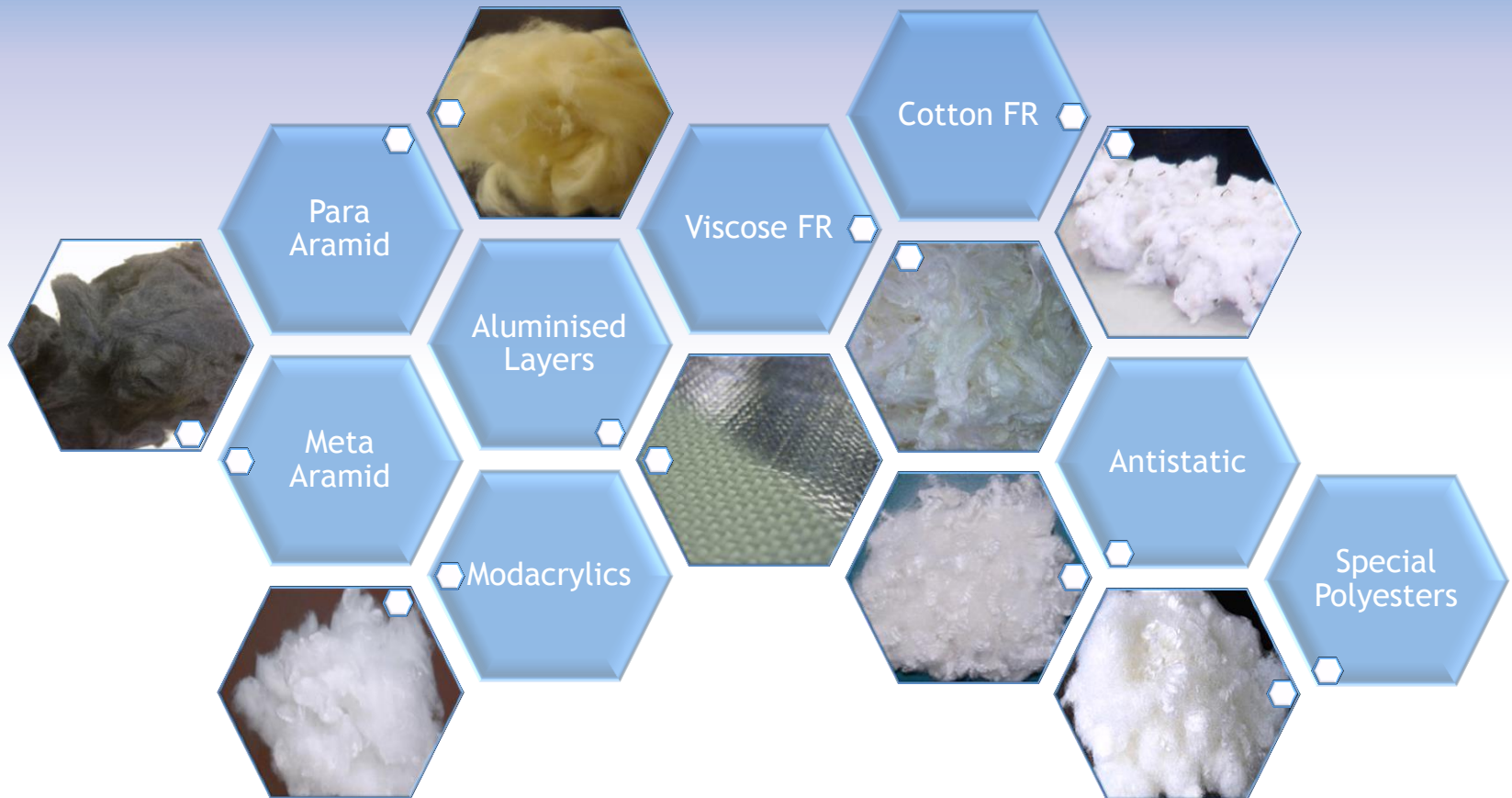


EN 11612 PROTECTION LEVELS AND MARKINGS

- A: EN ISO 15025 - Limited flame spread (from 1 to 2)
- B: ISO 9151 - Convective heat (from 1 to 3)
- C: EN ISO 6942 - Radiant heat (from 1 to 4)
- D: ISO 9185 - Molten Aluminum splash (from 1 to 3)
- E: ISO 9185 - Molten Iron splash (from 1 to 3)
- F: ISO 12127 - Contact heat (from 1 to 3)



Special Composition of Fabrics



IST Supplies garments with wide range of fabrics with the fibers or mixture of the fibers above. Best possible option is always offered with our qualified staff.

GARMENTS FOR SPECIAL APPLICATIONS

ELECTPRO - Electrical Arc Protection

METAL SPLASH GUARD - Molten Metal Splash Protection

WELDING - Welding Protection

WILDLAND - Forest Fire Protection

HEATPRO - Air Cooled Kiln Entry

IST - Knitted Products



FYRPRO® FIREMAN GARMENTS



FYRPRO® FIREMAN GARMENTS

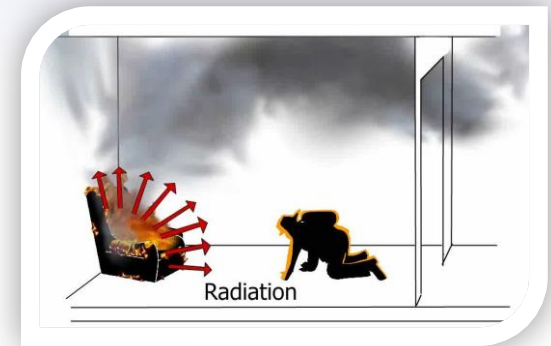
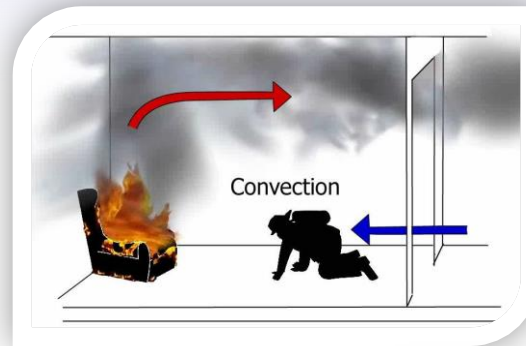
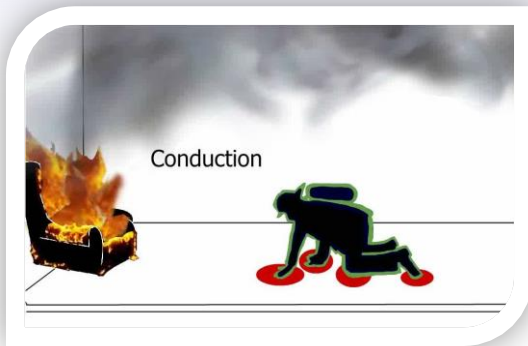
- Heat insulated against convective heat and radiant heat
- Water Repellent
- Breathable
- Light in weight
- Durable against mechanical strengths
- 4 or 3 Layers of Protection

**EUROPEAN NORM:
EN 469**



FYRPRO® Garments Heat Insulation

- Convective heat
- The radiant heat (65-90%)
- A flashover situation
- The conductive heat



FYRPRO® Water Repellency

WATER is fire fighter's best tool

BUT

It replaces the **AIR** in your garments
and

It makes the suits heavier and uncomfortable

The most important thing is

Since the water conducts heat 21 times *faster* than air at 60 °C and
water can expand 1700% more than air in vaporous state.

Consequently,

It causes **SCALD BURNS** without warning

Water is a matter of Safety !

The moisture barriers prevent water to penetrate
and keeps the user **DRY**.



EN 469 Protection Levels

EN 469:2005 has 3 different letters (X-Y-Z) which indicate the level of performance:

Level 1 (Lower Protection)

Level 2 (Higher protection)

- **Xf1 or Xf2**

The performance in the heat test: flame

- **X1 or X2**

The performance in the heat test: radiation

- **Y1 or Y2**

The performance in the waterproofness tests

- **Z1 or Z2**

The resistance against water vapour



Xf2

Xr2

Y2

Z2

STANDARD ACCESORIES



Quick Release Zipper

Wide Collar



Gloves Hanger



Handtop protective



Brace



OPTIONAL ACCESORIES



- Elbow and Knee Reinforcements



- Removable or Permanent Back Inscription



- Extra Pockets

SCOTT SIGMA 2 SELF CONTAINED BREATHING APPARATUS (SCBA)

- EN137:2006 type 2
- Designed for professional firefighting
- Carbon Composite or Steel Cylinder option



SCOTT PROPAK SCBA and ADVANCED SPECIFICATIONS

- DPG - Digital Pressure Gauge
- ATS Distress Signal Unit
- Telemetry Board
- Telemetry Radio Unit
- Voice amplifier



PAB COMPOSITE HELMET

- EN 443:2008
- Designed to protect the head under the most extreme conditions (including neck and face).
- Interior shock absorber
- Effective visibility achieved by reflective tape for optimal use in specific conditions
- All around neck protector



SEIZ FIREFIGHTER GLOVES

- EN 659:2003+A1
- Designed for firefighting applications which require high level of dexterity.
- Leather Firefighter Gloves
- Nomex Firefighter Gloves



Seiz Basic Worker



Seiz SuperSoft



Seiz Premium

ETCHE FIREMAN BOOTS

- EN 15090 type 3 HI3
- EN ISO 20345 S5 HRO SRC
- Boots for emergency situation and fire with toxic chemicals emission.
- Excellent resistance to heat flow, heat contact, fire.
Excellent resistance to chemicals : fuels, oils, weak and diluted acids, solvents.
Excellent resistance to abrasion and cuts



FYRAL[®] ALUMINIZED FIRE PROXIMITY SUITS



FYRAL® ALUMINIZED FIRE PROXIMITY SUITS

- Special Garments designed for more specific and technical firefighting.
- Helps firefighters to approach flames and reflect the heat.
- Completely covers the body and used for approaching fire.



**EUROPEAN NORM:
EN 1486**

Alex 200 + Alex 145

- **1st Layer** : Alex 200 gr/sqm
% 65 Lenzing FR
% 22 Aramid
% 12 Poliamid
% 1 Antistatic Fiber
- **2nd Layer** : Alex 145 gr/sqm
% 64 Lenzing FR
% 30 Conex
% 5 Twaron
% 1 Antistatic Fiber



İST PES -Viscose Pants

- Single Layer

%.... Viscose

%.... PES



İST Pants

- Single Layer
- %.... Viscose
- %.... PES



FYRPRO 442-RE

- 3 Layers

1st Layer : 75% Metaaramid, 23% Paraaramid, 2% Antistatic

2nd Layer : 100% Aramid felt

3rd Layer : Aramid /Viscose (FR)



Alex 200 - Special Design

- Single Layer : Alex 200
% 65 Viscose FR,
% 22 Aramid,
% 12 Poliamid,
% 1 Antistatic Fiber)
- Special 75 mm reflective design



THE END

- Dedicated to safety

