

A 24-year-old leader in fire suits 2025 NEW STYLE



A special fire suit
A new standard
presenting



Gore-Tex Crosstech
Farrellan System



A Quality Company

Hana Industrial Co., Ltd

hanainc-en.kr

Company History

- 1987-01-10 Founded by Kyungjin Industrial Company OEM (Sajik-dong, Dongnae-gu, Busan)
- 1993-03-18 Relocation of the new factory in Gijang-eup, Gijang-gun
- 1997-05-20 China Liyang Gyeongjin Co., Ltd. Established
- 2003-05-02 Delivery contract at the 3rd party unit price of Public Procurement Service (National Fire Station Delivery)
- 2014-10-27 Incorporation (Mutual : Hana Industrial Co., Ltd)
- 2015-03-17 KFI Recognition
(Fire-fighting special fire-proof suit, Korea Institute of Fire and Industry Technology)
- 2015-09-10 Permission to manufacture and sell military uniforms and military equipment
(The Chief of Staff of the Army)
- 2015-11-02 Quality Certification(Q-Mark)Designated as a company
(Korea Institute for Clothing Testing)
- 2018-07-09 Ministry of SMEs and Startups Management Innovation Small and Medium Enterprises (Main-Biz)Selection
- 2020-05-11 A patent certificate
(Special clothing aerogel members and their manufacturing methods)
- 2021-02-15 KFAC Certified
(Special Fire Protection for Fire Protection 21-1, FITI A test researcher)
- 2022-01-28 KFAC Certified
(Fire Protection Special Fire Protection Clothing PBI Small Special Clothing 22-1, FITI A test researcher)
- 2022-05-31 A patent certificate (A special fire suit)
- 2023-01-31 KFAC Certified (Aramid, PBI, Farrelan, FITI A test researcher)
- 2024-12-31 European Certification EN 469 Certified





Hana Industrial Co., Ltd. is an affiliate of PBI Performance Products in the U.S
It is an official Korean partner designation company.

PBI OUTER SHELLS



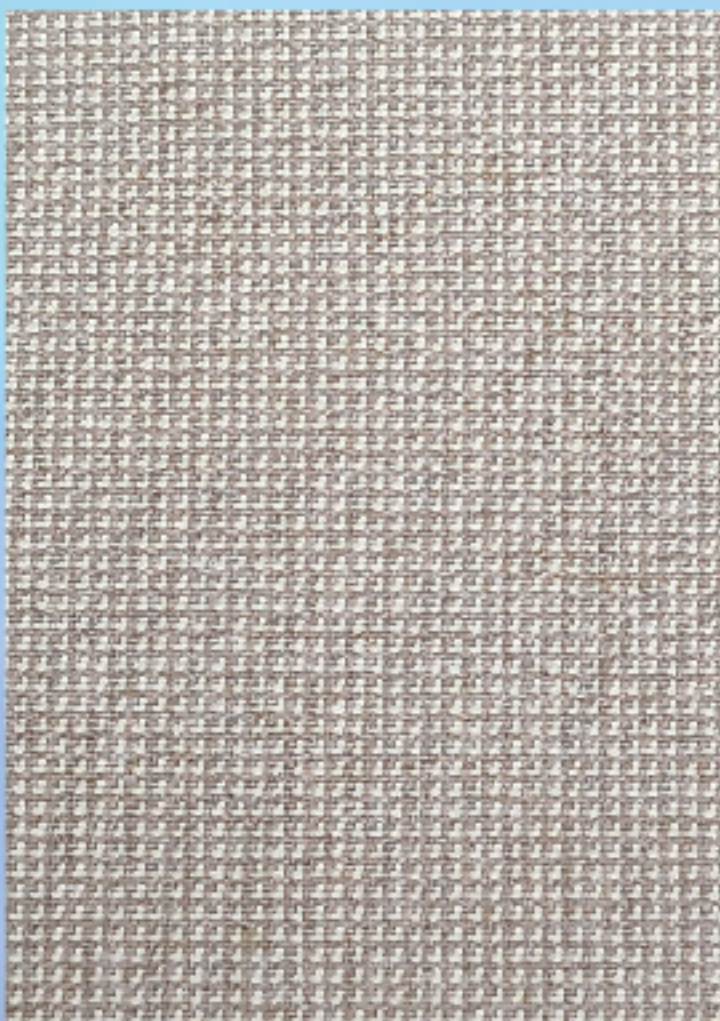
PBI Performance Products is the only product in the world that provides flame resistance and thermal stability to the fiber itself. We have developed a polybenzimidazole (PBI) fiber.

Fire and fire suits made of PBI fiber include the United States, Canada, the United Kingdom, Germany, Switzerland, Austria, etc.

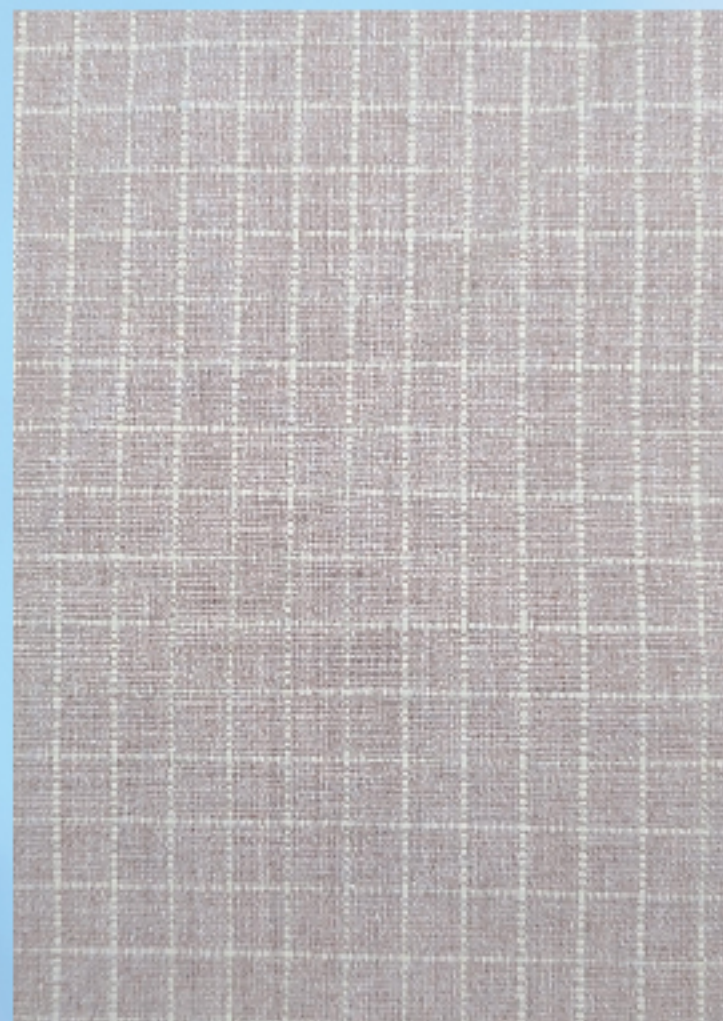
Fire departments around the world, including most countries in Europe, Australia, New Zealand, Hong Kong, Saudi Arabia, and Korea. It's being used.

PBI does not break or melt even when exposed to high temperatures of 700°C, and is soft and light. It is a super fiber that is highly durable and has been selected by firefighters in the country.

PBI® MAXUS GOLD PS



PBI® MATRIX



PBI® MATRIX

With aramid long fibers in a septum pattern. The durability and wear resistance of PBI Gold. It's an improved product.

Like other PBI fabrics,

Even when exposed to high-intensity flames and heat, it does not shrink or harden and break.

PBI® MATRIX is an experimental organization around the world,

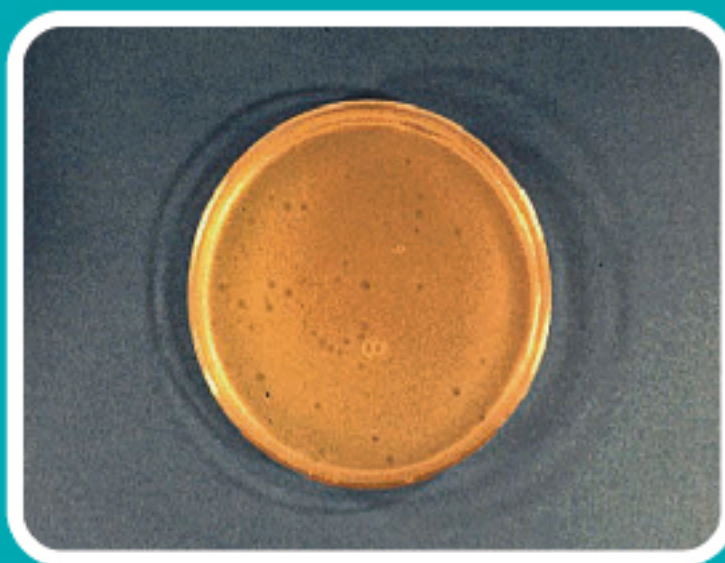
The fire school and the actual fire scene. It is recognized for its excellent performance.





Gore-Tex Crosstech Farrellan System

Bloodborne viruses and
from other pathogens
continuous protection



Gore's regular Gore-Tex cross-tech fabric and
Conduct a virus penetration resistance test for seams.
This is similar to hepatitis C and microhazardous pathogens
Bloodborne using the test alternative virus Phi-173
This is to verify penetration resistance to pathogens

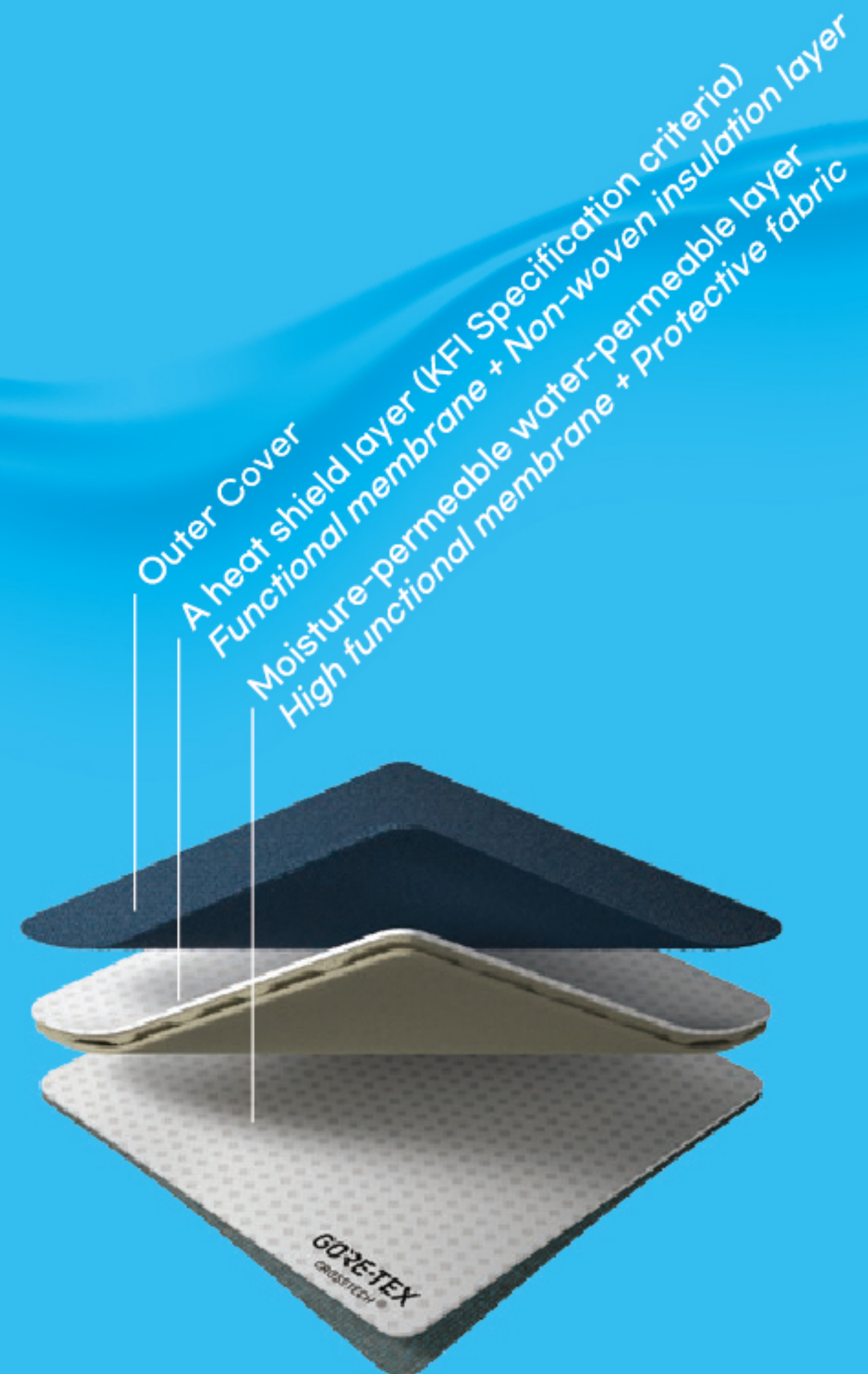


Penetration Resistance Verification Procedure

- Contact the pretreated cross-tech fabric with an alternative virus solution (20 kPa pressurized condition).
- Petri dishes containing virus-sensitive bacterial fluids
(A dish for bacterial culture) Surface observation determines virus penetration
- If virus penetrates the fabric, bacteria react and the dish surface is visually observed as empty space(Fail)
- If no virus penetrates the fabric, no empty space is observed on the surface of the petri dish(Pass)



[Special fire protection material]



Moisture management inside and outside
High moisture permeability to achieve comfort quickly
Optimizing heat protection performance in hazardous environments exposed to heat
At the same time, heat stress relief



resistance to
pathogen penetration



Continuous
water resistance



Lightweight



Quick-drying



flame retardancy



excellent moisture permeability



Chemical resistance



Continuous performance
after frequent washing



A removable top pocket (Patent registration)

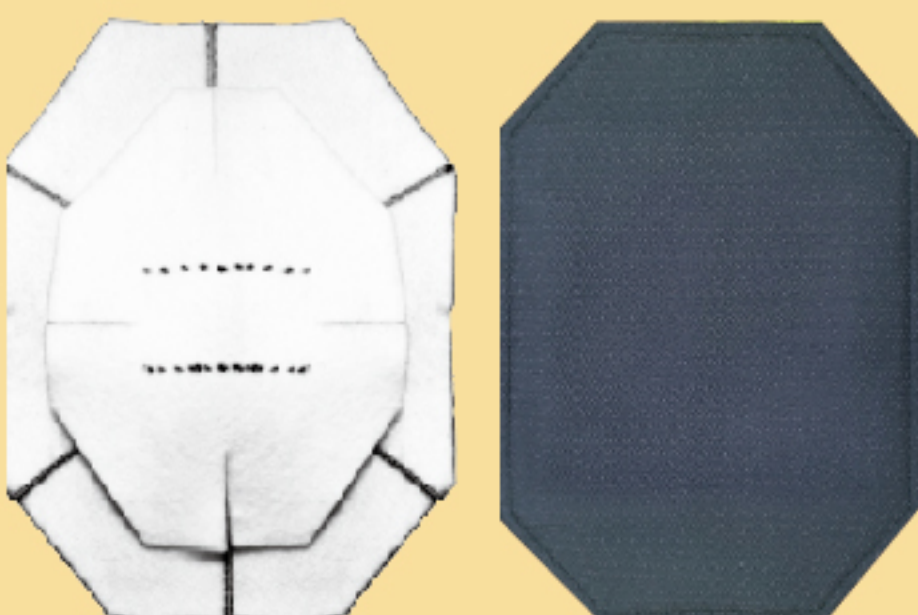
1. The fixing belt attached to the backrest of the respirator
It's made to tunnel through the inside of the bottom pocket of the top
Designed to perform the original functions of the pocket
2. Velcro tape inside the bottom of the pocket
It's attached as a set of upper and lower parts,
and after passing through the waist belt
Designed to be fixed and installed for safe use
3. By magnifying it to a pocket size of 250 × 190 × 40 mm
Significantly improve storage space
4. Double-reinforced knee supplements for knee protection
5. Ergonomic design ensures further enhanced activity

Ingredient Table

| product name | mixing rate % | Country of origin | Remarks |
|---------------------------|---|-------------------------------------|---|
| outer cover1 | Para-aramid 58% PBI 40% A warrior of the Imperial Army 2% | Germany, Korea The United States | Carbon fluoride water repellent treatment |
| outer cover2 | Aramid 100% | Korea, China | |
| lining1 | Polyaramid 100% e-PTFE Moisture-proof membrane | Korea, China The United States | |
| lining2 | Polyaramid 100% Kilt : Aramid 100% | Korea, China | 2" Daya Killing |
| coated cloth (Cover) | Aramid 100% Flame-retardant silicon coating | Korea | Shoulder, Elbow, Knee |
| KNIT | Aramid 100% | Korea, China | |
| Sewing | Para-aramid 100% | Korea, China | |
| reflective tape | Aramid(Miyeon) 100% 폭75mm 반사22mm | Korea | |
| A front zippe | YKK | Korea, Japan | |
| Slight tape | 22mm flame-retardant tape | Korea, The United States | |
| Velcro tape | | Korea | |
| Other ancillary materials | | Korea | |



Suspenders



Reinforced knee supplements

Greeting

Hello!

I'm Jung Sang-seop, CEO of Hana Industrial Co., Ltd., who has insisted on producing only special fireproof suits for 24 years.

I would like to thank the people in charge of the headquarters and the firefighters who have shown me a lot of trust and affection.

Thanks to the firefighters who are responsible for the safety of the people and are devoted day and night, the people I think I can make a living safely today.

Responding directly to and serving the unpredictable disasters caused by the ever-changing climate and environmental destruction I would like to express my respect and respect to the firefighters.

Hana Industrial Co., Ltd. has developed new materials that are researched and developed in a preemptive paradigm in a changing environment

We are doing our best to make safe and comfortable fireproof clothing by quickly grafting it into fireproof clothing production.

Thanks to your support, we will continue to develop based on trust
I'll try hard.

Thank you.



HN
FIRE FIGHTING SUIT
조달등록업체

A Quality Company

Hana Industrial Co., Ltd

Firefighter's Prayer

When I am called to duty, God
Whenever flames may rage,
Give me the strength to save some life
Whatever be its age.

Help me to embrace a little child
Before it's too late,
Or some older person from the horror of that fate.

Enable me to be alert
And hear the weakest shout,
And quickly and efficiently to put the fire out.

And if according to Your will
I have to lose my life,
Please bless with Your protecting hand My children and my wife.



**Warranty service until the fire
protection suit is fully functional**
A Quality Company

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