

## FIRE ENTRY SUIT

**Product Code :** ADFPP1001  
**Model :** Fire Entry Suit – HR-2- FIREFLY  
**Standard:** EN1486 level: III

HR 2-FIRFLY I: The Fire Entry Suit Has High level Protection and High Comfort using proper membrane Fabrics and Respirators for the fire extinguishing purpose.

The suit shall be suitable for human height from 165 cms to 175 cms. The fire entry suit is made of 7 Layers of specialized Aluminized para-aramid fabrics and other Insulation Fabrics. The suit also is composed of non-flammable polyurethane membrane.

The inner isolated part of the suit is stitched with Nomex and Aramid felt fabric. The combination of polyurethane fabric along with Aramid felt shields in filtrations of liquids into the suits and enables to check away the steam out of the suit. The polyurethane membrane is not allowing the outside heat to enter the body premises. The suit is in a two piece item covering complete human body consisting of hood integrated with the Coat as one piece and a Trousers having harness belt with shoulder straps. The suit shall be capable of being used over normal clothes. The entire Suit should be made of the Fabric assembly as mentioned above. The full detailed features of the Garment should be as below Coat with Hood is sewed fast together.

The Hood has visor with golden reflexive and un-sweaty modification, double protective glass, double fastening, metal zip and Velcro being located into the area of hood, which enables a very comfortable wearing and putting up and down. The Coat should have a provision of wearing a Breathing Apparatus.

Trousers has regular braces, the belt for making the waist slimmer in the lower parts of trousers, a metal zip for more comfortable putting up the shoes on the feet. Leggings Steel in lay on the in step, the lower steel support for fastening the shoes and protecting against getting up the leggings. Gloves - 5 fingers with membrane against liquid at the wrist with knitting, to use over where over the gloves for protection against heat. Shoes, Overcoat - The shoe should have back side double fastening, metal zip and Velcro fastening belt for shoe inside the aluminized overcoat. The entire Fire Entry Suit should be provided with Gloves, Leggings, Shoe Overcoat and Breathing Apparatus pouch the suit shall be having enough space to accommodate inside a self-contained breathing apparatus in complete protected manner.

**The weight of total suit shall not be more than 8 kgs. The entire Suit should be Certified as per EN 1486 standards and should achieve Level III with the weight not exceeding more than 8 Kgs. Shelf life (shall not be less than 5 years under specified storage conditions)**

### TEMPERATURE PARAMETERS:

The following temperature parameters should be met by The Suit certified by the manufacturer the highest direct flame temperature protection offered by the suit:

- 1500 deg. C for a continuous period of 10 seconds.
- 1400 deg C for a continuous period of 30 seconds
- 1200 deg C for a continuous period of 3 minutes

The highest direct radiant temperature protection offered by the suit

- 1500 deg C for a continuous period of 10 seconds
- 1420 deg C for a continuous period of 30 seconds
- 1220 deg C for a continuous period of 3 minutes
- 1200 deg C for a continuous period of > 7 minutes at a Distance of 1.5 meters from the flame wall



 **A.B.C. BROTHERS TECH (I) PRIVATE LIMITED**

"ABC HOUSE" 14/15, Shivam Estate, Nr. Ujala Circle, B/h. SBI & Deepkamal Bajaj, S. G. Highway, Sarkhej, AHMEDABAD-382210. GUJARAT, INDIA  
☎ +91 79 2689 0331 / 4 / 9 📠 +91 99099 88233, +91 99099 88198 / 7 / 6 📧 info@abcbrothers.in 🌐 www.abcbrothers.in