

FlamePro 640/645 Challenger Firefighter Suit

The future of firefighting PPE

FLAME PRO

Washing Instructions



**Wash Machine
Temperature**
60°C



**Tumble Dry
Settings**
Two Dot:
Mid temperature
Max 80 degrees



Ironing
Two Dot:
High temperature



Dry Cleaning
P: Dry
cleaning with
perchlorethylene



**Do not use
bleach**

General PPE Maintenance Guidelines

- Wash the PPE regularly using specially adapted programs for contaminated emergency clothing
- The garments should be cleaned after incidents where they have been affected by fire gases or soiled by soot, by-products of combustion, blood, body fluids, tar, fuel, resin, paint, acid or other dangerous substances
- Contaminated clothing should be transported so that gases are enclosed
- Pressure clothing should be cleaned separately from other garments
- Do not hang the garment in direct sunlight, as UV radiation will eventually weaken the outer fabric

Before Washing

- Ensure all zips within the garments are fastened, including inspection zips on inside of garment
- Ensure all Velcro® closures are fastened
- Ensure all buttons are closed
- Ensure all pockets are empty
- Remove any detachable ID tags
- Remove all carabine snap hooks
- Relax any adjustable closures, typically in the cuff, collar, ankle, waist
- Check fluorocarbon finish before each wash by using a spray test, re-apply impregnation if needed. Always re-do the impregnation

After Washing & Drying

- Ensure closures are functioning after wash
- Ensure the fit of garment is still suitable, the garment is not too loose or close fitting
- There is a sufficient overlap between jacket and trouser when performing stretching movements of legs and arms
- There is no damage or soiling
- The clothing is dry on inside and outside
- Perform a spray test to ensure the fluorocarbon finish is functioning
- Check seams integrity or broken stitches
- Check reflective tape condition

Storage

Store the garment in dry conditions, not in direct sunlight. Do not store in airtight containers or vacuum packed, do not store at temperatures less than -32°C or above 82°C, do not store in contact with contaminants such as (not limited to) oils, solvents, acids or alkalis.

Important Notes

- Ensure cleaning is performed by a trained specialist, do not clean in the private household
- Follow product care label instructions
- Do not use domestic washing detergents, powders, softeners or whitening agents
- Do not use a tunnel dryer
- Do not iron retro-reflective tape
- Do not wash with combustible materials
- Washing machine must not be more than 80% capacity based on weight
Lubricate the zipper if it starts to go slow

Fluorocarbon Re-impregnation

The protective clothing should be re-impregnated regularly using a fluorocarbon resin-based treatment, it is recommended to re-impregnate the finish after 5 washing and drying cycles, the re-impregnation may be necessary after less washes which depends on the use of the garment, therefore it's recommended to test the finish using a spray test before each wash cycle.

Simply spray some water over the garment, if the water is absorbed into the fabric and does not drip off then re-apply the fluorocarbon finish. The re-impregnation can be done easily by adding the right impregnation product to the last of the rinsing water in the washing process.

Repairs

The garment should be inspected regularly for any damages, repairs should be performed by a trained specialist, modifications to garment are not allowed. Any repair or modification made by unauthorised service centre will void the warranty.

We recommend that the suit be removed from service if the repair costs exceed 50% of the replacement cost.
Please contact FlamePro Global Ltd for advice.

Warranty

1 Year warranty from date of manufacture on structural seams and hardware, subject to wear & tear. Modifications or repairs made by unauthorised specialist will invalidate the warranty.

We recommend care and maintenance in line with BS 8617 which can be obtained from BSI shop (shop.bsigroup.com)

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