HARBOR 365

Wear Your Attitude

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This is NO Ordinary Protective Clothing!

HARBOR 365

Built with,
Passion, Commitment and Consistency

Keeping **YOU** in mind,
Modern, Stylish and Comfortable

Top 4 reasons why do workers not wear correct PPE?

Looks Un-attractive

Improper Fit

Un-comfortable

Not Easily Accessible

What makes HARBOR365 Clothing Unique?

STYLE

Our design team ensures that the garments are styled based on Region -specific trends and needs, while incorporating various resources and standards applicable across the globe.

- Latest fashion trends
- Industry specific color options

ERGONOMICS

Our designers have done extensive research on varied body types and work environments, developing garments that are region specific and ensure optimum comfort and efficiency.

PROTECTION

At **Harbor365**, we consider every garment as a symbol of commitment and responsibility towards our wearers. Our entire manufacturing process is designed to ensure quality and longevity of our garment's protective properties throughout its life.

CLIMATE

Protective clothing is not just about safety & protection, but comfort too. Whether it's the extremely high temperatures of the Mid-eastern peninsula or the European winters having sub-zero temperatures, our garments are fit for all such conditions.

Important Standards

EN ISO 11612 A1 A2 B1 C1 F1

EN ISO 11611 Class 1-A1 A2

EN 1149-5

IEC 61482-2 APC 1

EN 13034 Type 6

EN ISO 20471

Flashon Jacket

Cotton, Polyester, Antistatic, 290gsm

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN 13034 Type 6 | EN ISO 20471

Scan the QR code to experience the product in 3D

Features

- Complies with EN ISO 20471
- FR plastic zippers & snap buttons for front closing
- Velcro tabs on Cuffs
- Two Front & Two Waist Pockets for utility
- Stand up collar with contemporary styling
- Hanger Loops for space management
- Action back for freedom in movement
- FR Reflective Tape on shoulder, waist and sleeve for better detectability
- Bar-tack at all stress points
- 2 Radio Loop in front for communication devices

Available In

Hi-vis Navy

SUITABLE FOR APPLICATION IN

Railways

Construction

Flashon Trousers

Cotton, Polyester, Antistatic, 290gsm

Scan the QR code to experience the product in 3D

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN 13034 Type 6 | EN ISO 20471

Features

- Complies with EN ISO 20471
- FR plastic zippers & Heat Resistant melamine buttons for the front
- 2 back pockets with flap & Velcro closures
- 2 side pockets for everyday use
- Additional Tool & Cargo pockets for multi-utility usage
- Elastic adjustment on waist for better comfort and flexibility
- Kneepad pockets for added protection as per EN norms
- Bartack at all stress points
- FR Reflective Tapes below knee

Note: It is advisable that for total protection, jacket & trousers should be used in combination.

Available In

Hi-vis Navy

SUITABLE FOR APPLICATION IN

Railways

Construction

Splashon Jacket

Cotton, Polyester, Antistatic, 300gsm

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN 13034 Type 6

Scan the QR code to experience the product in 3D

Features

- FR plastic zippers & snap buttons for front closing
- Velcro Tabs on Cuffs
- Two Chest & Two Waist Pockets for multi-utility usage
- Stand up collar with contemporary styling
- Hanger Loops for space management
- Action back for freedom in movement
- FR Reflective Tape on shoulder and sleeve for better detectability
- Bartack at all stress points
- 2 Radio Loop in front for communication devices

Available In

Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Petrochemicals | Welding | Ship Building & Structural Construction | Chemical

Splashon Trousers

Cotton, Polyester, Antistatic, 300gsm

Scan the QR code to experience the product in 3D

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN 13034 Type 6

Features

- FR plastic zippers & Heat Resistant melamine buttons for the front
- 2 back pockets with flap & Velcro closures
- 2 side pockets for everyday use
- Additional Tool & Cargo pockets for multi-utility usage
- Elastic adjustment on waist for better comfort and flexibility
- Kneepad pockets for added protection as per EN norms
- Bartack at all stress points
- FR Reflective Tapes below knee

Note: It is advisable that for total protection, jacket & trousers should be used in combination.

Available In

Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Petrochemicals | Welding | Ship Building & Structural Construction | Chemical

Moswel Jacket

Cotton, Antistatic, 320gsm

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN ISO 20471

Scan the QR code to experience the product in 3D

Features

- Stand up collar with hanger loop
- Front closing with 6 snap buttons
- Concealed snap adjustable cuffs
- All pockets with flap and snap closures
- FR reflective tape on shoulder & sleeves
- Action pleat at back
- Bartack at all stress points

Available In

Navy

SUITABLE FOR APPLICATION IN

Iron & Steel | Welding | Ship Building & Structural Construction

Moswel Trousers

Cotton, Antistatic, 320gsm

Scan the QR code to experience the product in 3D

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN ISO 20471

Features

- Front closure with zipper & button
- 2 back pockets and a cargo pocket on left leg with flap & snap closures
- 2 side pockets
- FR reflective tape on down the waist
- Elasticated waist
- Bartack at all stress points

Note: It is advisable that for total protection, jacket & trousers should be used in combination.

Available In

Navy

SUITABLE FOR APPLICATION IN

Iron & Steel | Welding | Ship Building & Structural Construction

Tranquil Sweater

Modacrylic, Cotton, Antistatic, 350 gsm

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE

Scan the QR code to experience the product in 3D

Features

- Inherently FR with ribs on collar, cuffs, and waist for better fit
- Designed to adapt to working conditions in winters
- 350 gsm Fleece for extra warmth & comfort
- Heat set Retro Reflective for better stretchability
- Provides solution for night time detectability hazard in accordance with EN 1150:1999

Available In

Grey

Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Polymer & Plastic

Tranquil Polo

Modacrylic, Cotton, Antistatic, 210 gsm

Scan the QR code to experience the product in 3D

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE

Features

- FR Polo with semi-casual Friday look
- Lightweight fabric with pique knitting for better comfort and breathability
- Hidden heat-resistant melamine buttons for added FR protection
- Heat-set retro reflective tape for better stretchability
- Provide solution for medium nighttime visibility hazard in accordance with EN 1150:1999

Note: It is advisable that for total protection, jacket & trousers should be used in combination.

Available In

Grey

Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Polymer & Plastic

Innerwear

Modacrylic, FR Cotton and Antistatic; 180gsm

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-5 | CE

Scan the QR code to experience the product in 3D

T-Shirt Features

- Functional FR shirt providing an extra layer of protection
- Modern fit
- Soft and flexible knit for extra comfort
- Comes with moisture management property
- Ribbed collar and cuffs
- Moisture management property
- Sizes: S-3XL

Longjohn Features

- Functional longjohn providing an extra layer of protection
- Modern fit
- Soft and flexible knit for extra comfort
- High-tech waistband for better elasticity
- Moisture management property
- Sizes: S-3XL

Available In

Grey

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Polymer & Plastic

Weatheron Soft Shell Jacket

Outer layer: 98% Polyester, 2% Antistatic (with IFR Fleece); 350gsm
Inner layer: 60% Protex, 40% Cotton

Scan the QR code to experience the product in 3D

EN ISO 11612 A1 A2 B1 C1 F1 | IEC 61482-2 APC 1 | EN 1149-5 | CE | EN ISO 11611 Class 1-A1 A2 | EN 13034 Type 6 | EN ISO 20471

- High neck collar; CF closing with zip and 3 pcs velcro closure
- 1 napoleon pocket on left chest with flap and zipper
- 2 down pockets with flap and zip closure
- 50 mm tape
- Bartack at all stress points
- Attachable inside the Parka jacket

Hi-Vis Navy

FR Liner

Polyester, Cotton, Antistatic; 300gsm

- Front closure with zipper
- Turn down collar
- Ribbed cuffs
- Liner can be zipped into pilot jacket and parka
- Sizes: S-4XL

Available In

Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Petrochemicals | Welding | Ship Building & Structural Construction | Railways | Construction | Chemical

Weatheron Pilot Jacket

Outer layer: Polyester, Antistatic; 240gsm
Inner layer: 100% cotton FR; 180gsm

EN ISO 11612 A1 A2 B1 C1 F1 | EN 343 313 | EN 1149-5 | CE | EN 13034 Type 6 | EN ISO 20471

Scan the QR code to experience the product in 3D

Features

- Standup Collar with detachable hood
- FR plastic zipper 1-way with Velcro for front closing
- Chest pockets with flap & zip closures
- Napoleon pocket
- 1 inside pocket with Velcro closure
- 1 pocket for hood storage
- Velcro tab for cuff adjustment
- 2 down pockets with zip closure
- Adjustable cuff
- Elasticated waist with Velcro tab for adjustment
- All shell fabric stitch covered by Seam sealing tape
- Bartack at all stress points
- Extended back

FR Liner

FITS INSIDE WHEN IT'S COLD

Soft Shell

Available In

Hi-Vis Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Petrochemicals | Welding | Ship Building & Structural Construction | Railways | Construction | Chemical

Weatheron Parka

Outer layer: Polyester, Antistatic; 240 gsm
Inner layer: 100% cotton FR; 180gsm

Scan the QR code to experience the product in 3D

EN ISO 11612 A1 A2 B1 C1 F1 | EN 343 313 | EN 1149-5 | CE | EN 13034 Type 6 | EN ISO 20471

Detachable Hood

Features

- Standup Collar with detachable hood
- FR plastic Zipper 1-way with Velcro for front closing
- Chest pockets with flap & zip closures
- 2 down pockets with zip closure
- Napoleon pocket
- 1 inside pocket with Velcro closure
- 1 inside pocket with hood storage
- Velcro tab for cuff adjustment
- Adjustable cuff
- All shell fabric stitch covered by Seam sealing tape
- Bartack at all stress points

FR Liner

FITS INSIDE WHEN IT'S COLD

Soft Shell

WHEN IT'S COLDER, WEAR IT OVER

Parka

Available In

Hi-Vis Navy

SUITABLE FOR APPLICATION IN

Electrical Utilities | Oil & Gas | Petrochemicals | Welding | Ship Building & Structural Construction | Railways | Construction | Chemical

DE-STRESS THE STRESS WITH **QUILL-** OUR SIGNATURE RANGE OF PROTECTIVE CLOTHING

There was no light weight protective clothing that offered ultimate comfort, dual protection and color fastness, so we built one.

QUILL HIGHLIGHTS

COMFORT

- Ridiculously light
- Un-parallel moisture management
- Oeko-Tex certified

PROTECTION

- Multi hazard protection Flash Fire and Arc Flash
- Body Burn < 35%
- Arc rating - HRC 2

DURABILITY

- Supreme color fastness
- No pilling & abrasion after multiple use
- Industry Laundrable

ELIMINATE STRESS

FOR WEARERS

By providing superior protection with ultimate comfort

FOR DECISION MAKERS

By crafting a multi protection solution with easy accessibility

ON THE PLANET

By ensuring the garments can be disposed of in an environment friendly manner

A Journey that starts with **NATURE** and ends with **NATURE.**

From WOOD to QUILL GARMENT.

RESPONSIBLE RECYCLING

As a global brand, we take complete responsibility of our impact on the environment. Our entire production process uses raw materials in closed loops wherever possible.

The water that is used in the entire production (dying and finishing) is treated in an effluent treatment plant and is reused in the process of fabric manufacturing.

CRAFT YOUR OWN QUILL GARMENT

QUILL VARIATIONS

NAME	Quill 160	Quill 190	Quill 250
Composition - Weight - Weave	65% FR Viscose : 33% Aramid : 2% AST - 160gsm - Plain	65% FR Viscose : 33% Aramid : 2% AST - 190gsm - Twill	65% FR Viscose : 33% Aramid : 2% AST - 240gsm - Twill
Norm	EN ISO 11612 A1 A2 B1 C1 F1 EN 1149-5 IEC 61482-2 APC 1	EN ISO 11612 A1 A2 B1 C1 F1 NFPA 70E ASTM F1959 10cal/cm2 IEC 61482-2 APC 1 NFPA 2112 EN 1149-5	EN ISO 11612 A1 A2 B1 C1 F1 NFPA 70E ASTM F1959 9.5cal/cm2 IEC 61482-2 APC 1 EN 1149-5
Color Options	Light Blue, Mid Blue, Light Tan, Navy Blue	Light Blue, Mid Blue, Grey, Navy Blue	Navy Blue
Ideal Product Options	Shirt, Coverall	Shirt, Coverall & Trousers	Trousers

WE ARE THE QUICKEST WAY TO GET YOUR REGION SPECIFIC MULTI NORM PROTECTIVE CLOTHING

Scan to view our dedicated web-shop

Stock on Shelf X 365 Days

EN ISO Certified (European Norms)

Personalized Branding

Delivered within 48 hours

Learn About

STANDARDS

EN ISO 11611
Class 1-A1 A2

EN ISO 11611:2015

Protective clothing for use while Welding and allied processes

EN ISO 11612
A1 A2 B1 C1 F1

EN ISO 11612:2015

Protection against Heat & Flame

EN 61482-1-2
Class-1

EN 61482-1-1

Determination of the arc rating (ATPV or EBT50) of flame-resistant materials for clothing.

IEC 61482-2
APC 1

EN 61482-1-2

Protective clothing against thermal hazards of Electric Arc

Protective clothing certified according to EN ISO 11611 gives the wearer protection against small splashes of molten metal, brief contact with flame & radiant heat. The clothing material is classified, as per its protection ability against different levels of welding applications causing spatter and radiant heat hazards:

Class 1: Protects against less hazardous welding techniques/ situations, causing lower spatter with radiant heat - Tested with 15 molten metal drops.

Class 2: Protects against more hazardous welding techniques/ situations, which causes higher levels of spatter with radiant heat - Tested with 25 molten metal drops. Also, procedure A1/A2 must be tested as per ISO 15025 for flame spread.

Protective clothing tested & certified according to EN ISO 11612 standard provides protection against hazards such as Convective Heat, Radiant Heat, spatters of molten metals or their combination thereof.

The garment is classified for the following parameters:

A1 – Limited flame spread - 10 seconds Flame test

A2 – Limited flame spread - 10 seconds Flame test

B – Convective heat - Classified under 3 classes - B1, B2, B3

C – Radiant heat - Classified under 3 classes - C1, C2, C3

D – Molten Aluminum Splash - Classified under 3 classes - D1, D2, D3

E – Molten Iron splash - Classified under 3 classes - E1, E2, E3

F – Contact heat - Classified under 3 classes - F1, F2, F3

This standard specifies requirements and test methods applicable to materials and garments for protective clothing for electrical workers against the thermal hazards of an electric arc and electric shock hazards.

EN-IEC 61482-2 includes two methods for testing. Garments can be certified according to one of the test methods or to both the test methods.

Arc Testing Methods:
EN-IEC 61482-1-1:
"Open Arc Test Method"

The Open Arc test method (ATPV test and garment test) determines the Arc Rating i.e. Arc Thermal Protection Value (ATPV level), ELIM (Incident Energy Limit) or Energy Break Open Threshold (EBT) of flame-resistant material (Method A) and clothing (Method B). The Arc Rating is expressed in cal/cm² (calories per centimetre square).

In the Box Test Method

Materials and clothing will be tested using two methods: the material box test method and the garment box test method.

The material box test method is used to measure and determine material response to an arc exposure when tested in a flat configuration. A quantitative measurement of arc thermal performance is made by means of the energy transmitted through the material. During this test, a fabric sample is exposed to an electric arc produced by a 4kA or 7kA short circuit. The length of time it would take to cause the onset of second-degree burns is subsequently determined. Samples are also assessed for after-flaming, hole formation, melting, etc.

The garment box test method is used to test the function of the protective clothing after an arc exposure (i.e., no heat flux will be measured). The objective is to assess the garment after exposure to an electric arc for defects in the seams, fastenings, and other closures.

EN 1149-5

EN 1149-5

Protection against Static Electricity

EN ISO 20471

EN ISO 20471

High Visibility Clothing

EN 13034
Type 6

EN 13034:2005 + A1:2009

Protective clothing against liquid chemicals and Limited Protective performance

EN 343 313

EN 343: 2003

Protective Clothing: Protection against Rain

This standard helps protect wearer against sudden electrostatic discharges. Eliminating the risk of static charges / sparks igniting the inflammable substances such as oil & gas.

The electrostatic dissipative material under EN 1149-5 shall meet at least one of the following requirements:

EN1149-1: Test method for measurement of surface resistivity (for surface conductors only)

EN1149-3: Test method for measurement of charge decay (suitable for core and surface conductors)

The EN 20471:2013 standard specifies requirements for the high visibility clothing which is capable of visually signaling the user's presence. The area requirements for background materials, retro-reflective materials, and combined performance materials with three classes of garments.

Minimum Areas of Visible Material (in m^2):

Classification	Class-1	Class-2	Class-3
Background	0.80	0.50	0.14
Retro-Reflective	0.20	0.13	0.10
Combined Material	-	-	0.20

EN 13034 covers the lowest level of chemical protection intended to protect from a potential exposure to small quantities of spray or accidental low volume splashes of less hazardous chemicals.

The garments are classified under the following categories:

Type 6: Type 6 suits protect at least the trunk and the limbs of the wearer.

Type PB[6]: Partial body protection covers only specific parts of the body such as in the case of Jackets, Aprons, etc. To achieve overall protection, it is recommended to use safety clothing that covers the entire body, either a full-body suit / coverall or two parts like Jacket & Trouser set, which are certified in accordance with EN 13034.

The criteria for classification of clothing under different categories are done as per the performance levels:

Class	Repellency	Penetration
3	>95%	<1%
2	>90%	<5%
1	>80%	20

This standard specifies the requirements for protective clothing against the effects of foul weather conditions like rain, wind, and snowflakes.

The major factors to be tested under this standard:

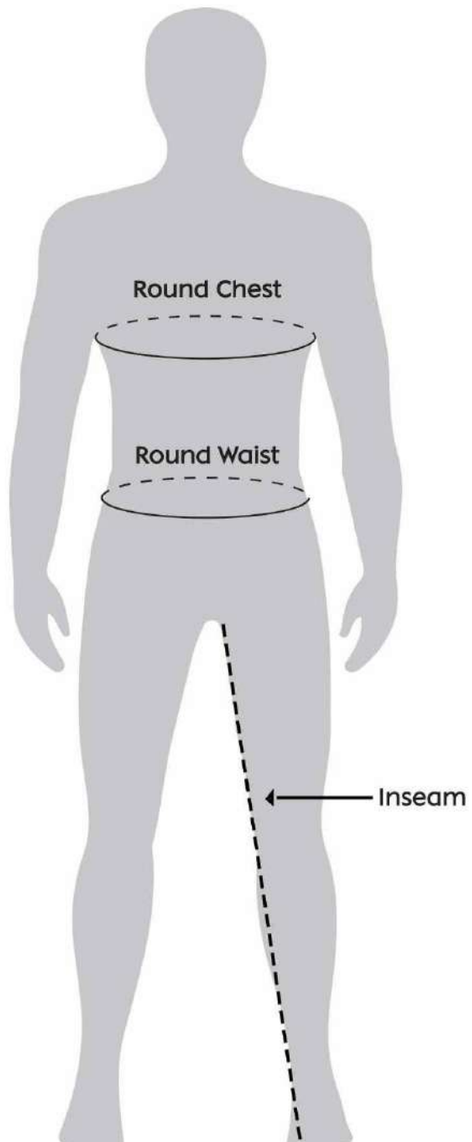
Resistance to Water penetration - X:

Resistance to water penetration is the most important quality for an adequate protection. Resistance to water penetration is expressed in Pa.

Resistance to Water vapor - Y:

Also referred to as the Breathing property of the clothing. The lower the evaporative resistance, the easier the transmission and more comfortable the garment should be to wear.

Sizing Guide



Parka / Pilot Jacket

HUMAN BODY CHEST MEASUREMENT (in cm)							
84-91	92-99	100-107	108-115	116-123	124-131	132-139	140-147
S	M	L	XL	2XL	3XL	4XL	5XL

Sweater

HUMAN BODY CHEST MEASUREMENT (in cm)							
84-91	92-99	100-107	108-115	116-123	124-131	132-139	140-147
S	M	L	XL	2XL	3XL	4XL	5XL

Softshell / Inner Fleece Jacket

HUMAN BODY CHEST MEASUREMENT (in cm)					
83-90	91-98	99-106	107-114	115-122	123-130
S	M	L	XL	2XL	3XL

T-shirt

HUMAN BODY CHEST MEASUREMENT (in cm)					
83-90	91-98	99-106	107-114	115-122	123-130
S	M	L	XL	2XL	3XL

Flashon / Splashon / Moswel Jacket

HUMAN BODY CHEST MEASUREMENT (in cm)							
88-91	92-95	96-99	100-103	104-111	112-117	118-123	124-129
XS	S	M	L	XL	2XL	3XL	4XL

Flashon / Splashon / Moswel Trouser

	BODY WAIST (in cm)										
	79-82	83-86	87-90	91-94	95-98	99-102	103-106	107-110	111-114	115-118	119-122
	40	42	44	46	48	50	52	54	56	58	60
TROUSER LENGTH	107	108	109	110	111	112	113	114	115	116	117
INSEAM	82	82	82	82	82	82	82	82	82	82	82

Note: This measurements are for regular sizes. Considering avarage height of person should be 5'6 to 5'10.