

**PRODUCT
CATALOGUE**
2024

PROGRESS AND THRIVE SAFELY

KARAM is pleased to announce the successful acquisition of Midas Safety India. This strategic move marks a significant milestone in KARAM Group's journey towards expanding its presence and enhancing its product offerings. The acquisition of Midas Safety India strengthens KARAM Group's position as a market leader in the safety industry, combining KARAM's expertise in fall protection and personal protective equipment (PPE) with Midas Safety India's extensive portfolio of hand protection safety products. This synergy will enable KARAM Group to offer customers a comprehensive range of high-quality safety solutions to meet their evolving needs.

The 25-year-old KARAM Group, with a turnover of INR 1000 crore, has acquired the operations of Midas Safety India having a top line of INR 110 crore through a slump deal. Hand protection products are a major revenue contributor to Midas Safety India which was established 16 years ago. Today, KARAM proudly carries out that tradition in delivering premier products under Midas's brands, Ninja[®], Techtion[®], Valpro[®] and Frontier[®]. The acquisition will be a good strategic and financial fit for KARAM Group and will open up significant market opportunities in the fast growing PPE market in India. KARAM Group is growing at a CAGR of 15% year on year and is targeting a revenue of INR 1400 crore with this additional product portfolio by 2025.

While commenting on the acquisition, Hemant Sapra, President, Global Sales & Marketing, KARAM Group said, “With KARAM's acquisition of Midas Safety India, two leading PPE industry players have united. We warmly welcome Midas Safety India to the KARAM family, aligning with our vision of global safety leadership and commitment to excellence. This union expands our product range, offering high-quality PPE to our customers. By joining forces, we bring together a rich history, talented people, and innovative products. We are dedicated to promoting indigenous manufacturing growth, contributing to India's global manufacturing prominence in occupational health and safety. This acquisition combines our organizations' strengths, creating a powerful entity to deliver exceptional value to stakeholders, customers, and employees. Through synergies in resources, technologies, and talents, we aim for greater scale, market presence, and product diversity. Together, we're shaping the future of manufacturing in India and beyond.”

While expressing excitement, Sivakumar Krithivasan, Business Unit Head – India, Midas Safety India said, “Midas Safety India brings a wealth of experience and expertise to KARAM Group, with a strong presence in key markets across the country. The acquisition will enable KARAM Group to leverage Midas Safety India's distribution network, manufacturing capabilities, and brand reputation to drive growth and innovation in the safety products market. We are excited about the opportunities that lie ahead as we integrate Midas Safety India into the KARAM Group. Together, we are well-positioned to capitalise on emerging trends and deliver value-added solutions to our customers across Industries.”

The acquisition of Midas Safety India underscores KARAM Group's commitment to expanding its product offerings, enhancing customer service, and driving sustainable growth in the safety industry. The employees are the cornerstone of the company's success, and their dedication and talent are instrumental in driving the business forward. Both the organisations are fully committed to supporting the team members throughout this transition, providing them with the resources and opportunities they need to thrive going forward. The organisations will continue to uphold the highest standards of quality, integrity, and innovation, while also embracing new opportunities for growth and advancement.

The Indian Personal Protective Equipment (PPE) Market shows a bright future, expected to grow at a CAGR of 10.20% from USD 841.4 million in 2023 to USD 1482 million by 2029. The market is experiencing a surge due to numerous driving factors such as workplace safety regulations and industrialisation as primary factors. With a significant increase in awareness around workplace safety and the pressing impact of the COVID-19 pandemic, there is a heightened demand for protective gear across various sectors, namely auto, healthcare, manufacturing, and construction. The emergence of health concerns and hygiene maintenance has notably influenced the PPE market space. Market players are countering through technological innovation, customisation, and leveraging online procurement to enhance market accessibility.

About KARAM Group

KARAM is a leading global occupational safety brand with a vast portfolio of over 3500 certified products conforming to multiple national and international standards and export their safety solutions to over 100 nations. The company has a team of 4000 professionals who have been relentlessly developing, testing, and evaluating products, earning KARAM a reputation as one of the finest global companies that provide world-class personal protective equipment (PPE), fall protection solutions and fixed-line systems. KARAM is a responsible brand that values empowering people, uplifting society and enriching the environment.

About Midas Safety India

Midas Safety Private Limited, India was established in 2008 and offers best-in-class hand protection and other PPEs to various customers. Midas Safety India employs 350 plus people across various functions and has strong manufacturing, supply chain, sales and service capabilities to serve a wide customer base spanning Automotive, Chemical, Electronics, Energy, Healthcare, Food Processing, and Infrastructure industries. It has well-established distributor network, across India. It's ISO 9001:2015 certified manufacturing plant at Coimbatore produces gloves, sleeves, helmets, and respirators with well-equipped laboratory, assuring testing and compliance with global standards – ISI, CE and ANSI. The facility is certified under Module D (EU PPE Regulations 2016/425) for production of Category III PPE and ISO 13485 -International standard for medical device quality management systems.

For more information about KARAM Group and Midas Safety India, please visit:

<https://www.karam.in/>

<https://www.midassafety.in/>

Topics

ABOUT MIDAS

HAND PROTECTION



GRIP & GENERAL PURPOSE



MULTIPURPOSE - HEAVY DUTY



CUT RESISTANT



CUT & IMPACT PROTECTION



ARM PROTECTION



CUT & HEAT PROTECTION



COTTON & SYNTHETIC GLOVES



DISPOSABLES



CHEMICAL RESISTANT



LEATHER PRODUCTS



PROTECTIVE CLOTHING

NECKUP PROTECTION



DISPOSABLE RESPIRATOR



REUSABLE RESPIRATOR



SAFETY HELMETS



EYE & FACE PROTECTION



HEARING PROTECTION



Midas Safety Private Limited is a pioneer in hand safety, we have a wide range of innovative, technology driven safety products and services. With **ISO 9001:2015 certified manufacturing plant** at Coimbatore, we produce world class PPE's including **gloves, sleeves, helmets and respirators**.

We are a leading supplier to companies in Automotive, Oil & Gas, Chemical, Energy, Healthcare, Food Processing & Infrastructure industries. We supply through **over 100 authorized dealers across India**, with local stock availability.

System Compliance:

ISO 9001: International standard for quality management systems. These compliances are exclusively certified by agencies accredited by NABCB, IAF, or ILAC, guaranteeing the highest levels of trust and reliability.

Module D - EU PPE Regulations 2016/425: European council requirements for production/ quality control of Category III PPE for respirators.

ISO 13485: International standard for medical device quality management systems.



ISO 13485

ISO 13485 is an international standard that specifies requirements for a Quality Management System (QMS) for organizations involved in the design, development, production, installation, and servicing of medical devices and related services. It is designed to ensure the consistent design, development, production, installation, and delivery of medical devices that are safe for their intended purpose.

Key components of ISO 13485 include:

- 1. Quality Management System (QMS):** The standard outlines the requirements for establishing, implementing, and maintaining a quality management system tailored to the medical device industry. This includes procedures for document control, record keeping, and internal audits.
- 2. Management Responsibility:** ISO 13485 emphasizes the importance of top management's commitment to quality and their role in ensuring the effectiveness of the quality management system. This includes defining quality objectives, allocating resources, and conducting management reviews.
- 3. Resource Management:** The standard specifies requirements for the allocation of resources, including personnel, infrastructure, and work environment, necessary for the effective operation of the quality management system and the production of safe medical devices.
- 4. Product Realization:** ISO 13485 outlines requirements for planning, design and development, production, and service provision. This includes processes for risk management, verification and validation, and control of nonconforming products.



Medical Device Name: Public respirator (2 ply, 3 ply face mask)
Intended use: A filtering mask designed to be placed over the nose and mouth of a member of the general public to permit normal breathing while protecting the wearer from exposure to pathogenic biological airborne particulates during a public health medical emergency.
Risk Class: A

5. Measurement, Analysis, and Improvement: The standard requires organizations to establish processes for monitoring and measuring customer satisfaction, product conformity, and the effectiveness of the quality management system. It also mandates the implementation of corrective and preventive actions to address nonconformities and continually improve the QMS.

Compliance with ISO 13485 demonstrates an organization's commitment to producing safe and effective medical devices while meeting regulatory requirements. It provides a framework for ensuring the consistency and reliability of products and services, enhancing customer satisfaction, and maintaining regulatory compliance in the medical device industry. Organizations that achieve ISO 13485 certification are often seen as more credible and reliable partners by customers, regulators, and other stakeholders.

Regulation (EU) 2016/425 Module D

Regulation (EU) 2016/425 Module D is a crucial aspect of the European Union's regulatory framework governing personal protective equipment (PPE). Module D pertains specifically to the "Conformity to type based on quality assurance of the production process." It outlines requirements for the manufacturing process of PPE to ensure consistent quality and compliance with safety standards.

Key elements of Module D include:

1. Quality Management System (QMS): Manufacturers are required to establish and maintain a quality management system in accordance with Annex VII of the regulation. This QMS should ensure that PPE is designed, manufactured, and tested in compliance with the applicable requirements.
2. Initial Type Testing: Before production begins, manufacturers must conduct initial type testing to demonstrate that their PPE meets the essential health and safety requirements outlined in the regulation. This testing is conducted by a notified body, which verifies compliance with relevant standards.
3. Factory Production Control (FPC): Manufacturers must implement and maintain a factory production control system to ensure ongoing compliance with the approved type and quality requirements. This includes procedures for monitoring and controlling production processes, as well as ensuring the traceability of PPE components.
4. Continuous Monitoring and Assessment: Module D requires manufacturers to perform ongoing monitoring and assessment of their production processes to ensure that the PPE continues to meet the required standards. This involves regular audits and inspections of the manufacturing facilities and processes.
5. Quality Control Records: Manufacturers are required to maintain comprehensive records of all production processes, including test results, inspection reports, and any non-conformities identified and corrective actions taken. These records must be made available to competent authorities upon request.

Overall, Module D of Regulation (EU) 2016/425 plays a critical role in ensuring the quality and safety of personal protective equipment manufactured and sold within the European Union. By establishing requirements for quality management systems, initial type testing, factory production control, and ongoing monitoring, it helps to mitigate risks and protect the health and safety of users across various industries. Compliance with Module D is essential for manufacturers seeking to market their PPE products within the EU market.

Lab Infrastructure includes:

- IS 9473 and IS 16289: Indian standards for respiratory protective devices.
- EN 14683 and EN 149: European standards for respiratory protective devices.
- 42 CFR Part 84: American national standards for respiratory protective devices.
- IS 2925: Indian standards for helmets/hard hats.
- EN 397: European standards for helmets/hard hats.
- ANSI Z89.1: American standards for helmets/hard hats.

INDIA'S LEADING PPE

MANUFACTURER AND DISTRIBUTOR

OUR BRANDS



High Performance and Best in Class



Value Driven Solution



Technology Lead Solution



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 Techtion Orbit Plus Multipro
 Valpro Commander
 Valpro Commander Plus
 Valpro Ranger Plus
 Valpro Guardian
 Valpro Warrior

HAND PROTECTION

Glove Selection Guide (Supported Gloves)

Yarn Characteristics Comparison

FEATURE	COTTON	POLYESTER/ NYLON	HIGH- TENACITY NYLON	KEVLAR®/ ARAMID	HPPE	GLASS FIBER & NYLON	HPPE & STEEL & SYNTHETIC YARNS	HPPE NYLON & GLASS	KEVLAR® STEEL
CUT RESISTANCE	poor	poor	average	very good	very good	good	excellent	very good	excellent
TEAR RESISTANCE	average	average	average	excellent	excellent	poor	excellent	excellent	excellent
COMFORT	very good	very good	good	good	excellent	excellent	good	good	good
HEAT RESISTANCE	good	poor	average	very good	poor	poor	poor	poor	average
COLD RESISTANCE	good	average	good	very good	average	average	average	average	average
SWEAT ABSORPTION	very good	poor	poor	average	very good	poor	average	average	poor
SHRINKAGE	none	none	none	none	none	none	none	none	none
ELASTICITY	poor	average	poor	poor	poor	poor	poor	poor	poor
YARN COST	very low	very low	low	high	high	low	high	medium	high

Coating Compatibility Chart

COATING TYPE	NITRILE FLAT	NITRILE SANDY	NITRILE SPONGE	MICRO FOAM NITRILE	NFT	NATURAL RUBBER	PVC	PU (POLYURETHANE)	Bi-Polymer (NITRILE/PU BLEND)	
CHARACTERISTICS	FINISH	smooth	textured	textured	textured	textured	crinkle	particle/rough	smooth	smooth
	STRENGTH	excellent	excellent	excellent	excellent	excellent	excellent	fair	excellent	excellent
	WEIGHT	medium	medium	medium	light	medium	heavy	heavy	light	light
	BREATHABILITY	n/a	fair	very good	very good	very good	poor	n/a	excellent	good
GRIP	FLEXIBILITY	good	good	good	very good	very good	excellent	good	excellent	excellent
	DRY	excellent	good	good	good	good	excellent	excellent	good	very good
	OIL	good	good	good	good	excellent	not recommended	good	good	good
	WET	poor	poor	fair	fair	very good	good	excellent	good	not recommended
COMFORT	very good	very good	excellent	excellent	excellent	excellent	fair	very good	excellent	
COST	medium	medium	high	high	high	medium	low	low	medium	
LIMITATION	Poor breathability. Inherently soapy in wet conditions.		Inherently soapy in wet environment. Micro foam Nitrile is less permeable than sponge nitrile.		Due to porous structure, moisture penetration is high.	Sensitive to heat. Poor oil/grease resistance. Can cause allergic reactions.	Marring/smudging due to plasticizers on coating reduced tactility.	Porous. High permeability. DMF levels.	Water can easily pass through. High permeability. Low abrasion resistance.	

Coating Level	Glove Coating					
	Polyurethane	Natural Rubber	Sandy Nitrile	Foam Nitrile/NFT	Flat Nitrile	PVC
Cut 1	Techtion Aerolite Multipro <ul style="list-style-type: none"> BK/BK WH/WH 	Techtion Splendor Lite Multipro		Techtion Sustra NS Multipro	Techtion Nitrilum Multipro	
	Frontier E-Pulon - WHT	Techtion Splendor Grip Multipro			Techtion Nitrilum FC Multipro	
	Valpro Ranger PU <ul style="list-style-type: none"> BK/BK WH/WH GRY/GRY 	Valpro Ranger Latex			Techtion Nitrilum DD Multipro	
		Valpro Warrior Rubber			Techtion Knit Grip Multipro	
					Valpro Ranger Nitrile <ul style="list-style-type: none"> Blk/Blk Wht/Gry 	
						Techtion Fort SC Drypro
						Techtion Shield Max Chempro
						Techtion Fort KW Drypro
						Techtion Shield Extreme Chempro
						Valpro Ranger C&S Nitrile
					Valpro Ranger PVC	
Level B	Techtion Aerolite 3 Cutpro			Ninja Razr CutTech NFT BA2		
Level C	Valpro Ranger Activcut CA3			Ninja Razr CutTech NFT CA3		
Level D	Techtion Aerolite 5 Cutpro	Techtion Splendor Grip 5 Cutpro	Techtion NitriDuo Cutpro		Techtion Hiperf FN-D Cutpro	
			Techtion Hiperf SN-D Cutpro			
			Techtion Armor Evo Impactpro			
			Techtion Armor Lite Impactpro			
Level E						
Level F				Ninja Razr CutTech NFT FA6		

Cut Level	Arm Sleeve			Performance Shell	
	Cotton	HPPE	Kevlar / Aramid	HPPE	Kevlar / Aramid
Cut 1	Valpro Warrior Sleeve				
Level B					
Level C		Techtion Hiperf Sleeve Cutpro	Techtion Combat Sleeve Cutpro		Techtion Combat Cutpro
		Techtion Hiperf Sleeve Cutpro (TH)	Techtion Shield Sleeve Cutpro		
			Techtion Shield Sleeve Cutpro (BK)		
Level D				Techtion Hiperf D Cutpro	Techtion Combat Extreme Thermpro
Level E					Techtion Shield Cutpro
Level F					

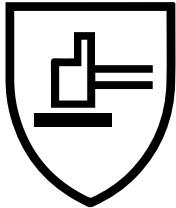
Supported Gloves

Machine Knits

GUIDE TO STANDARD EN 388

STANDARD FOR PROTECTIVE GLOVES AGAINST MECHANICAL RISKS

EN388:2016



abcdef

PERFORMANCE LEVEL RATINGS	1	2	3	4	5
a Abrasion Resistance (Cycles)	100	500	2000	8000	-
b Blade Cut Resistance (Coupe Test/Index)	1.2	2.5	5.0	10.0	20.0
C Tear Resistance (newton)	10	25	50	75	-
d Puncture Resistance (newton)	20	60	100	150	-

PERFORMANCE LEVEL RATINGS	A	B	C	D	E	F
e EN ISO Cut Resistance (newton)	2	5	10	15	22	30
f EN Impact Protection	PASS or FAIL					

If 'X' is marked for 'a' to 'e', it means "not tested" or "not applicable".
"f" is applicable only for impact resistant gloves.

Glove Standard Comparison For Cut Resistance

ANSI/ISEA 105-16 (ASTM F2992-15) VS EN 388: 2016 (ISO 13997)

EN 388 tested to ISO 13997

	newtons	grams
A	2-5	204-508
B	5-10	509-1019
C	10-15	1020-1529
D	15-22	1530-2242
E	22-30	2243-3058
F	30+	3059+

ANSI/ISEA 105-16

	grams
A1	200-499
A2	500-999
A3	1000-1499
A4	1500-2199
A5	2200-2999
A6	3000-3999
A7	4000-4999
A8	5000-5999
A9	6000+

$$N = g \times 0.00981$$

$$\text{force} = \text{mass} \times 0.00981$$

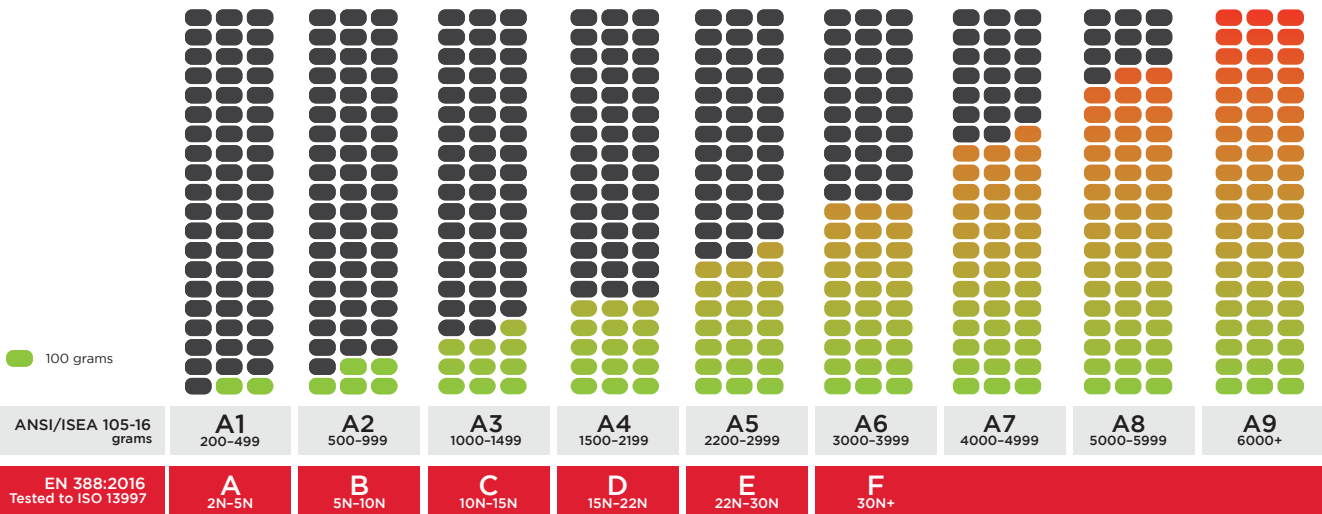
ANSI vs. EN

ANSI/ISEA 105: measures
MASS using grams

EN 388: measures
FORCE using newtons

*1 Newton is approximately equivalent to 102 grams.

RATING SCALES



TYPICAL APPLICATION

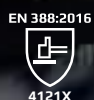
Light material handling	Aircraft engine building & assembly	Metal panels	Steel fixing & erecting	Cable trunking	Meat processing
Small parts assembly (without sharp edges)	White goods manufacturing	Small parts assembly (with sharp edges)	Medium pressing oily metal parts	Food deboning	Heavy duty glass & bottling
Cardboard packaging	Carbon fiber handling	Light automotive body assembly	Canning & bottling	Glass & window handling	Pulp & paper
General purpose	Recycling component dismantling	Sheet glass handling in production	Food preparation & processing	Heavy pressing oily metal parts	Heavy metal sheet handling
Shipping & receiving		Electrical wire & component assembly	Automotive maintenance & repairs	Metal cut-off recycling	Canning

INCREASE OF RISK SEVERITY



Industry favourite

Proven nitrile coated gloves offering the best-in-class grip and durability in dry and oily conditions.



TECHTION® NITRILON FC MULTIPRO

A robust fully coated nitrile gloves for grip in oily conditions.

STANDARDS



INDUSTRIES



TECHTION® NITRILON DD MULTIPRO

Lightweight, flexible, and dexterous double coated nitrile gloves offering high durability and great grip in oily conditions

STANDARDS



INDUSTRIES



TECHTION® KNIT GRIP MULTIPRO

A unique knit pattern on the palm & an advanced nitrile coating provide a strong grip and excellent abrasion resistance.

STANDARDS



INDUSTRIES



TECHTION® SUSTRA NS MULTIPRO

Robust Nitrile sponge coated glove with an outstanding durability & grip

STANDARDS



INDUSTRIES



TECHTION® SPLENDOR LITE MULTIPRO

Lightweight yet durable latex coated gloves that offers dexterity and grip in most dry and wet applications.

STANDARDS



INDUSTRIES



TECHTION® SPLENDOR GRIP MULTIPRO

Durable yet comfortable gloves with proven performance in construction and general purpose. Double formed to reduce hand fatigue for long hours of use.

STANDARDS



INDUSTRIES



TECHTION® AEROLITE MULTIPRO

Lightweight, breathable, durable PU dipped gloves suitable for delicate assembly and material handling.

STANDARDS



INDUSTRIES



Black

White

dimethylformamide (DMFa): 601.5 mg/kg (Tested as per EN 16778:2016)

**To eradicate the risk of exposure to DMF, we offer a wide range of Nitrile coated gloves.



VALPRO® RANGER NITRILE
Valuline glove offering good grip and durability in dry and oily conditions.

STANDARDS
EN388:2016
3121X



VALPRO® RANGER NITRILE(BLK)
Valuline glove offering good grip and durability in dry and oily conditions.

STANDARDS
EN388:2016
3121X



VALPRO® WARRIOR RUBBER
Polycotton with latex crinkle coating - a medium duty glove for construction and material handling.

STANDARDS
EN388:2016
2121X



VALPRO® RANGER LATEX
Valuline crinkle latex grip glove with a lightweight liner, suitable for construction and general handling.

STANDARDS
EN388:2016
2131X



Grey



Black



White

VALPRO® RANGER PU
Good dry grip. Suitable for light assembly and handling operations.

STANDARDS
EN388:2016
3121X



dimethylformamide (DMFa): 810.0 mg/kg
(Tested as per EN 16778:2016)

**To eradicate the risk of exposure to DMF, we offer a wide range of Nitrile coated gloves.

MULTIPURPOSE - HEAVY DUTY

TECHTION
FORT SC
DRYPRO

Reliable and proven cut & sewn gloves with safety cuff for demanding tasks.

CE
CAT II
EN 388:2016
3111X



TECHTION® FORT KW DRYPRO
Premium and heavy duty nitrile cut & sewn glove with high abrasion resistance.

STANDARDS
EN388:2016
3111X



TECHTION® SHIELD MAX CHEMPRO
Durable double dipped PVC gloves suitable for heavy duty work and resistant to mild acids / alkalis.

STANDARDS
EN388:2016
4111X



VALPRO® RANGER C&S NITRILE
Easy don & doff value line nitrile glove best suited for scrap handling and machine maintenance.

STANDARDS
EN388:2016
3111X



VALPRO® RANGER PVC
Medium duty PVC gloves for material / general handling. Available in 14", 16" & 18" lengths.

STANDARDS
EN388:2016
4111X





CUT LEVEL D

TECHTION® AEROLITE 5 CUTPRO

Exceptional comfort and dexterity, with superior cut protection, ideal for high-risk applications.

PU

STANDARDS
EN388:2016
4X42D



CUT LEVEL B

TECHTION® AEROLITE 3 CUTPRO

PU coated engineered shell with good dexterity, abrasion and cut resistance.

PU

STANDARDS
EN388:2016
4342B



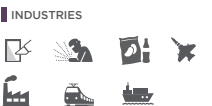
CUT LEVEL D

TECHTION® NITRIDUO CUTPRO

Nitrile double-dipped cut resistance gloves combined with long lasting oil resistant grip.

Nitrile Sandy

STANDARDS
EN388:2016
4X42D



CUT LEVEL D

TECHTION® HIPERF FN-D

Thin nitrile coated cut resistance gloves, combined with best-in-class grip and comfort.

Nitrile Smooth

STANDARDS
EN388:2016
4X42D



CUT LEVEL D

TECHTION® HIPERF SN-D

Durable sandy nitrile coated gloves, offering excellent cut resistance and grip.

Nitrile Sandy

STANDARDS
EN388:2016
4X42DP

New launch



CUT LEVEL D

TECHTION® SPLENDOR GRIP 5 CUTPRO

Durable, reliable latex coated cut resistant gloves. Ideal for bottle and glass handling applications.

Latex Crinkle

STANDARDS
EN388:2016
3X42D



CUT LEVEL D

TECHTION® HIPERF D CUTPRO

Uncoated cut resistant shell reinforced with HPPE, offering excellent cut resistance, comfort, and dexterity.

STANDARDS
EN388:2016
3X4XD



CUT LEVEL C

VALPRO® RANGER ACTIVCUT CA3

Cost-effective PU coated gloves provide excellent cut resistance, flexibility and dexterity.

PU

STANDARDS
EN388:2016
4X42C



CUT & IMPACT PROTECTION



CUT LEVEL D

TECHTION® ARMOR EVO IMPACTPRO

Durable Impact protection gloves with padded palm, offering advanced cut resistance and grip, with dexterity.

STANDARDS
EN388:2016
4X42DP



CUT LEVEL D

TECHTION® ARMOR LITE IMPACTPRO

Medium duty Impact protection gloves, offering superior cut resistance and grip.

STANDARDS
EN388:2016
4X42DP



ARM PROTECTION

TECHTION® COMBAT SLEEVE CUTPRO

Kevlar® double-layered sleeve with thumbhole Available in 18" & 22" lengths



CUT LEVEL C

STANDARDS
EN 388:2016 EN 407:2004
1 X 3 2 C X 1 X X X X

TECHTION® SHIELD SLEEVE CUTPRO

Para-Aramid sleeve with thumbhole Available in 18" & 22" lengths



CUT LEVEL C

STANDARDS
EN388:2016 EN407:2004
1433X X1XXXX

TECHTION® HIPERF SLEEVE CUTPRO

HPPE sleeve with thumbhole Available in 18" & 22" lengths



CUT LEVEL C

STANDARDS
EN388:2016
3X42C

VALPRO® WARRIOR SLEEVE

Cotton general purpose sleeve



Available colour
Natural / Navy blue / Melange
Available length
14", 16", 18" & 22"



**CUT
RESISTANT
RANGE**

NINJA
RAZR

NINJA
RAZR
CutTech NFT™ FA6

Superior **cut resistance (Level F)**, combined with best in class **dry & oil grip**, offering excellent dexterity for precision handling.



CUT
LEVEL
F

EN388:2016



4 X 4 2

ANSI



F Cut

ANSI



Abrasion



NEW FOAM
TECHNOLOGY™

Unmatched Comfort and Durability

CutTech NFT™ CA3

Excellent cut resistance combined with good dexterity and comfort.

CutTech NFT™ BA2

Lightweight cut-resistant gloves that offer superior facility, dexterity, and flexibility.



CUT
LEVEL
C



CUT
LEVEL
B

EN388:2016



4X42C

EN407:2004



X1XXXX

ANSI



Cut



NEW FOAM
TECHNOLOGY™

Unmatched Comfort and Durability

EN388:2016



4X31B

EN407:2004



X1XXXX

ANSI



Cut



NEW FOAM
TECHNOLOGY™

Unmatched Comfort and Durability

GUIDE TO STANDARD EN 407

STANDARD FOR PROTECTIVE GLOVES AGAINST THERMAL RISKS

EN407:2020



abcdef

EN407:2020



abcdef

Performance Level	Level 1	Level 2	Level 3	Level 4
a. Limited Flame Spread After Glowtime (2020)	≤ 15s No Rqmt	≤ 10s ≤ 120s	≤ 3s ≤ 25s	≤ 2s ≤ 5s
Resistance to Flammability (2004)	≤ 20s No Rqmt	≤ 10s ≤ 120s	≤ 3s ≤ 25s	≤ 2s ≤ 5s
b. Contact Heat (cont. temp. & threshold time.)	100°C ≥ 15s	250°C ≥ 15s	350°C ≥ 15s	500°C ≥ 15s
c. Convective Heat (heat transfer index)	≥ 4s	≥ 7s	≥ 10s	≥ 18s
d. Radiant Heat (heat transfer index)	≥ 7s	≥ 20s	≥ 50s	≥ 95s
e. Small Splashes Molten Metal (# drops)	≥ 10	≥ 15	≥ 25	≥ 35
f. Large Quantities of Molten Metal (mass)	30g	60g	120g	200g

Only products that achieve a minimum EN388 Level 1 for Abrasion and Tear can qualify for EN407 marking

“b” (Contact heat) – to mark level 3 or higher -> “a” (flame spread) should be equal to or greater than 3. If not, glove should be marked level 2 only, irrespective of higher contact heat scores.

“c” (Convective heat), “d” (Radiant heat), “e” (Small metal splash) -> “a” (flame spread) should be equal to or greater than 3, for marking levels for “c” to “e”. If not gloves to be marked ‘0’ for c, d and e regardless of scores achieved.

CUT & HEAT PROTECTION



TECHTION® COMBAT CUTPRO

7GG Kevlar knitted shell; the best combination of cut protection and contact heat protection.

STANDARDS



INDUSTRIES



TECHTION® SHIELD CUTPRO

7GG Para-aramid shell offering good cut and contact heat protection, at great value.

STANDARDS



INDUSTRIES



STANDARDS



TECHTION® COMBAT EXTREME THERMPRO (Formerly known as “KEVLAR SOLAR”)

Heavy-weight, Kevlar® outer/Cotton inner, double-layered shell for thermal and cut protection.

INDUSTRIES



TECHTION® SWIFT EXTREME MULTIPRO

Heavy-weight, cotton double layered gloves

INDUSTRIES





Our knitted gloves made from cotton are durable and often feature PVC dots that enhance grip.

7GG & 10GG glove variants are available in different colours, weights and length.

Special **plaited versions / yarn combinations** are also available.



Cotton Gloves Selection Chart

Cotton & Synthetic Gloves									
Material	Cotton / Poly Shell			Cotton Shell + PVC Dots (SD)			Cotton Shell + PVC Dots (DD)		
Gauge	Natural White	Navy Blue	Grey Melange	Natural White	Navy Blue	Grey Melange	Natural White	Navy Blue	Grey Melange
7GG	7N40	7B40	7M40	7NSD40	7BSD40	7MSD40	7NDD40	7BDD40	7MDD40
	7N50	7B50	7M50	7NSD50	7BSD50	7MSD50	7NDD50	7BDD50	7MDD50
	7N60	7B60	7M60	7NSD60	7BSD60	7MSD60	7NDD60	7BDD60	7MDD60
	7N70	7B70	7M70						
	7N80	7B80	7M80						
	7N90	7B90	7M90						
10GG	10N40	10B40	10M40	10NSD40	10BSD40	10MSD40	10NDD40	10BDD40	10MDD40
	10N50	10B50	10M50	10NSD50	10BSD50	10MSD50	10NDD50	10BDD50	10MDD50
	10N60	10B60	10M60	10NSD60	10BSD60	10MSD60	10NDD60	10BDD60	10MDD60
	10N70	10B70	10M70						
	10N80	10B80	10M80						
	10N90	10B90	10M90						
		10PSW30							

Naming Convention

Name	Gauge	Colour	PVC Dots	Shell Weight
7N40	(7) 7GG	(N) Natural White	---	(40) 40g Shell
10BSD60	(10) 10GG	(B) Navy Blue	(SD) Single Dotted	(60) 60g Shell
7MDD40	(7) 7GG	(M) Grey Melange	(DD) Double Dotted	(40) 40g Shell

Note: 10PSW30 - 10GG Polyester shell, 30g.



GUIDE TO STANDARD EN 374

MODIFIED STANDARD FOR CHEMICAL PROTECTIVE GLOVES

EN ISO 374:2016 GLOVES GIVING PROTECTION FROM CHEMICALS AND MICRO-ORGANISMS

EN 374 Chemical List

Code Letter	Chemical
A	Methanol
B	Acetone
C	Acetonitrile
D	Dichloromethane
E	Carbon Disulphide
F	Toluene
G	Diethylamine
H	Tetrahydrofurane
I	Ethyl Acetate
J	n-Heptane
K	Sodium Hydroxide 40%
L	Sulphuric Acid 96%
M	Nitric acid 65%
N	Acetic acid 99%
O	Ammonia 25%
P	Hydrogen Peroxide 30%
S	Hydrofluoric Acid 40%
T	Formaldehyde 37%

Permeation Performance Levels


Performance Level	Breakthrough Time
level 1	>10 mins
level 2	>30 mins
level 3	>60 mins
level 4	>120 mins
level 5	>240 mins
level 6	>480 mins

EN ISO 374-1 Classifications

The standard establishes three types for glove permeation protection.


Type A, B or C is determined by the number of chemicals it can resist for set period of time.

EN ISO 374-1/Type C



At least Level 1 performance (more than 10 minutes) against at least one chemical on the list


EN ISO 374-1/Type B



At least Level 2 performance (more than 30 minutes) against at least three chemicals on the list

XYZ

EN ISO 374-1/Type A



At least Level 2 performance (more than 30 minutes) against at least six chemicals on the list


UVWXYZ

EN ISO 374-5:2016

The standard defines protection measures for bacteria and fungi risks .

1. Protection against bacteria and fungi


EN ISO 374-5



“The penetration resistance has been assessed under laboratory conditions and relates only to the tested specimen”.
“Not tested against viruses”.

2. Protection against viruses, bacteria and fungi

EN ISO 374-5



VIRUS

“The penetration resistance has been assessed under laboratory conditions and relates only to the tested specimen”.

BACKGROUND

This standard establishes minimum performance, classification, and labelling requirements for gloves worn by **operators handling pesticide products and re-entry workers** to protect the hands and sometimes forearms against contact with those substance.

GLOVES CLASSIFICATION

Protective gloves are classified into 2 categories:



TECHTION
XPERT NITRO CLASSIC
ONEPRO

Exceptional fit and reliable protection for a wide range of industrial applications.

Thickness: 4.0 mil
 Length: 245 mm (± 5 mm)

CE 0598



EN 374-1:2016/Type B



KPT

EN ISO 374-5:2016



VIRUS



TECHTION® XPERT NITRO ONEPRO
 Disposable nitrile gloves suited for medical and food handling application.

STANDARDS

EN374-1:2016 /Type B
 KPT

ENISO 374-5:2016
 VIRUS

INDUSTRIES



3.2 mil
 245 mm (± 5 mm)

TECHTION® XPERT NITRO HRX6 ONEPRO
 Long-cuffed 6 mil disposable gloves, an unparalleled combination of chemical splash protection, comfort, and durability.

STANDARDS

EN374-1:2016 /Type B
 KPT

ENISO 374-5:2016
 VIRUS


 G1
 ISO 18889

INDUSTRIES




AQL 0.65


6.0 mil
 295 mm (± 5 mm)



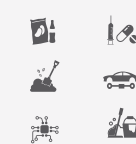
TECHTION® XPERT NITRO HRX8 ONEPRO
 Long-cuffed Nitrile disposable gloves with enhanced chemical resistance without compromising comfort and tactility.

STANDARDS

EN374-1:2016 /Type B
 JKOPT

ENISO 374-5:2016
 VIRUS

INDUSTRIES



8.0 mil
 295 mm (± 5 mm)



Durable nitrile gloves that offers superior chemical protection.

EN 388:2016
4101X

EN ISO 374-1:2016 / Type A
AJKLOT

EN ISO 374-5:2016

CE 0598

CAT III



TECHTION® NEOLATEX CHEMPRO
Heavyweight, bi-colour double-dipped natural rubber & neoprene gloves with reliable protection against a wide range of chemicals.

STANDARDS
EN388:2016 2120X
ENISO 374-1:2016 / Type A AKLMND
EN ISO374-5:2016

INDUSTRIES
Agriculture, Construction, Industry, Food Processing, Healthcare, Laboratory, Manufacturing, Maintenance, Mining, Oil & Gas, Transportation, Waste Management



TECHTION® NEO MAX CHEMPRO
Heavy-duty neoprene latex blended gloves delivering good mechanical protection with wide range of chemical protection.

STANDARDS
EN388:2016 3121X
ENISO 374-1:2016 / Type A AKLMNDP
EN ISO374-5:2016

INDUSTRIES
Agriculture, Construction, Industry, Food Processing, Healthcare, Laboratory, Manufacturing, Maintenance, Mining, Oil & Gas, Transportation, Waste Management



INDTOUCH RUBBER
Medium duty latex flock-lined gloves offering great comfort. Best suited for industrial and general purpose.

STANDARDS
CE
CAT I

INDUSTRIES
Agriculture, Construction, Industry, Food Processing, Healthcare, Laboratory, Manufacturing, Maintenance, Mining, Oil & Gas, Transportation, Waste Management



TECHTION® SHIELD EXTREME CHEMPRO
Durable, oil and chemical resistant, double-dipped PVC coating ensures grip and increases the glove's abrasion resistance and durability.

STANDARDS
EN388:2016 4121X
ENISO 374-1:2016 / Type A AKLMPST
EN ISO374-5:2016 VIRUS

INDUSTRIES
Agriculture, Construction, Industry, Food Processing, Healthcare, Laboratory, Manufacturing, Maintenance, Mining, Oil & Gas, Transportation, Waste Management

FRONTIER

WELDER PLUS - 14"

EN3 8 8 EN4 0 7



Split leather with cotton lining.
Available in Grey Colour.



FRONTIER® RIGGER PLUS - 10"
Split leather, double palm, in grey & green Colour combination.

STANDARDS
EN3 8 8
3 1 3 4

INDUSTRIES

FRONTIER® RED ARC - 14"
Split leather with cotton lining, available in red colour.

STANDARDS
EN3 8 8 EN4 0 7
4 1 4 4 X 1 X X X X

INDUSTRIES

FRONTIER® RIDER - 10"
Grain leather, available in natural colour.

STANDARDS
EN3 8 8

INDUSTRIES

FRONTIER® WELDER PRO - 14"
Double palm split leather with cotton lining, In grey & yellow colour combination.

STANDARDS
EN3 8 8 EN4 0 7

INDUSTRIES

FRONTIER® SAFE GUARD - 16"
Split leather with cotton lining, In green & yellow colour combination.

STANDARDS
EN3 8 8 EN4 0 7
2 1 2 2 X 1 X X X X

INDUSTRIES

FRONTIER® APRON - 60cm X 90cm
Split leather, available in grey colour.

STANDARDS
EN3 8 8 EN4 0 7
3 2 3 4 X 2 X X X X

INDUSTRIES

FRONTIER® HEATPRO PLUS - 16"
Double palm split leather with cotton lining, In blue & yellow colour combination.

STANDARDS
EN3 8 8 EN4 0 7
4 1 4 4 X 3 X X X X

INDUSTRIES

FRONTIER® LEG GUARD - 12"
Split leather, available in grey colour.

STANDARDS
EN3 8 8 EN4 0 7
4 2 3 4 X 1 X X X X

INDUSTRIES

FRONTIER® THERMO PLUS - 14"
Cut & heat resistant glove, kevlar thread stitched. Para aramid palm & woolen lined. In brown & yellow Colour combination.

STANDARDS
EN3 8 8 EN4 0 7

INDUSTRIES

FRONTIER® ARM SLEEVE - 24"
Split leather, available in grey colour.

STANDARDS
EN3 8 8 EN4 0 7
3 2 3 3 X 1 X X X X

INDUSTRIES



TECHTION
ASTRA MP55
MULTIPRO

55
GSM

Superior, breathable
microporous laminated
Type 5/6 protective
coverall, suitable for
industrial light duty
applications.

High MVTR
for increased worker comfort

2-way zipper & Storm flap
for comfort and extra protection

Strong triple-stitched seams
help protects against tearing

Elastic in back
to prevent ribs and
tears when bending

Thumb loops
to maintain glove
and garment interface.

Ultra low-tint
performance

Elastic wrists & ankles
provides convinience
and freedom of movements



CE 0624

Protective Clothing
Category III

EN 1149-5
:2008



EN 1073-2
:2002



EN 14126
:2003



EN 13034:2005
+A1:2009/Type 5B
EN ISO 13982-1:2004
+A1:2010/Type 6B



PARTICULATES



LIQUIDS



BREATHABLE



ANTI-STATIC



TECHTION
ASTRA MP65
MULTIPRO

65
GSM

Durable yet breathable
microporous laminated
Type 5/6 protective
coverall, suitable for
industrial light to medium
duty applications.

High MVTR
for increased worker comfort

2-way zipper & Storm flap
for comfort and extra protection

Strong triple-stitched seams
help protects against tearing

Elastic in back
to prevent ribs and
tears when bending

Thumb loops
to maintain glove
and garment interface.

Ultra low-tint
performance

Elastic wrists & ankles
provides convinience
and freedom of movements



CE 0624

Protective Clothing
Category III

EN 1149-5
:2008



EN 1073-2
:2002



EN 14126
:2003



EN 13034:2005
+A1:2009/Type 5B
EN ISO 13982-1:2004
+A1:2010/Type 6B



PARTICULATES



LIQUIDS



BREATHABLE



ANTI-STATIC



RESPIRATORY PROTECTION

Disposable Respirator Selection Chart

Basic Condition for Usage	Nature of the Contaminant	Type of Contaminant	NPF (Nominal Protection Factor)		Specification of Disposable Mask	
Oxygen Concentration > 19.5 %	Particulate Matter (Respirable Suspended Particulate Matter - Can be in Solid (Dust), Liquid (Mist) or Combination of both)	Solid Particles	NPF : 1-4		FFP1S	
			NPF: 4-12		FFP2S	
			NPF 12-50		FFP3S	
		Liquid Particles & Mix of Solid Particles	NPF: 1-12		FFP2 SL	
			NPF 12-50		FFP3 SL	
			NPF: 1-12	Welding Applications	FFP2 S/SL With Flame Retardant Layer	
			NPF: 1-12	Mild Odours	FFP2 S/SL With Activated Carbon Layer	
			NPF: 1-12	Heavy Dust Areas	FFP2 S/SL with Certified Dolomite Performance	

NPF: Nominal Protection Factor*
NPF is a number obtained by dividing AEL by (PEL or TLV) Based on the value of NPF, the specification of respiratory protective device to be used at a particular workplace is decided. A value greater than "1" for NPF Indicates that a respiratory protective should be mandatorily used.









$$NPF = \frac{AEL}{PEL \text{ or } TLV}$$

AEL: Actual Exposure Level
Actual Concentration of the Contaminant (RSPM/Gases) in a work environment AEL at a particular work place is obtained by
a) Particle Size Analysis in case of particulate matter (Dust or Mist)
b) Chemical Analysis in Case of Gases

PEL/TLV : Permissible Exposure Level/Threshold Level Value Its is the maximum contaminant concentration prescribed by the regulatory bodies at workplace to which exposure is considered safe
PEL/TLV of a contaminant is obtained from
a) MSDS Provided by the manufacturer
b) PEL/TLV Table published by regulatory bodies

GUIDE TO STANDARD IS 9473

PERFORMANCE PARAMETERS OF RESPIRATORY PROTECTION

Protection Class	P1 Class		P2 Class Vs N95			P3 Class Vs N95		
	IS 9473	EN 149	IS 9473	EN 149	42 CFR Part 84	IS 9473	EN 149	42 CFR Part 84
Standard	IS 9473	EN 149	IS 9473	EN 149	42 CFR Part 84	IS 9473	EN 149	42 CFR Part 84
Approval Mark								
Filtration Efficiency - NaCl	80%	80%	94%	94%	95%	97%	99%	95%
Filtration Efficiency - Paraffin Oil	NA	80%	94%	98%	NA	99%	99%	NA
Inhalation Resistance	0.6mbar@30lpm 2.1mbar@95lpm	0.6mbar@30lpm 2.1mbar@95lpm	0.7mbar@30lpm 2.4mbar@95lpm	0.7mbar@30lpm 2.4mbar@95lpm"	35mm H2O (3.4mbar@85lpm)	1.0mbar@30lpm 3.0mbar@95lpm	1.0mbar@30lpm 3.0mbar@95lpm"	35mm H2O (3.4mbar@85lpm)
Exhalation Resistance	3.0mbar@160lpm	3.0mbar@160lpm	3.0mbar@160lpm	3.0mbar@160lpm	25mm H2O (2.5mbar@85lpm)	3.0mbar@95lpm	3.0mbar@160lpm	25mm H2O (2.5mbar@85lpm)
Co2 Content of Inhaled Air	< 1% by Volume	< 1% by Volume	< 1% by Volume	< 1% by Volume	NA	< 1% by Volume	< 1% by Volume	NA
Total Inward Leakage	< 25% 10 pcs avj < 22%	< 25% 10 pcs avj < 22%	< 11% 10 pcs avj < 8%	< 11% 10 pcs avj < 8%	NA	< 5% 10 pcs avj < 2%	< 5% 10 pcs avj < 2%	< 5% 10 pcs avj < 2%





TECHTION® SPIRO PRIME P2V MULTIPRO

Single pull adjustable strap P2 class respirator offering protection against dust and mist.

FEATURES

- › Protection against - Solid & liquid particles
- › Nose clip - Adjustable & invisible
- › Exhalation valve - Valved
- › Strap options - Adjustable headband
- › Nose foam - Yes
- › Colour options -

INDUSTRIES



TECHTION® SPIRO MAX P2V MULTIPRO

Flat fold (NR) respirator offering P2 class protection against dust and mist.

FEATURES

- › Protection against - Solid & liquid particles
- › Nose clip - Adjustable & invisible
- › Exhalation valve - Valved
- › Strap options - Adjustable headband
- › Nose foam - Yes
- › Colour options -

INDUSTRIES



TECHTION® SPIRO ACTIV P2 MULTIPRO

Lightweight, FFP2 class NR foldable mask for the superior protection against dust and mist.

FEATURES

- › Protection against - Solid & liquid particles
- › Nose clip - Adjustable & invisible
- › Exhalation valve - Unvalved
- › Strap options - Headband / Fixed earloop
- › Nose foam - Nil
- › Colour options -

INDUSTRIES



TECHTION® SPIRO FFP3V MULTIPRO

Lightweight ISI Certified P3 class mask that offer superior comfort, fit and protection.

FEATURES

- › Protection against - Solid & liquid particles
- › Nose clip - Adjustable (External)
- › Exhalation valve - Valved
- › Strap options - Adjustable headband
- › Nose foam - Yes
- › Colour options -

INDUSTRIES



*S - Solid | L - Liquid | NR - Non Reusable (applicable only for EN149 certified)



TECHTION® XPERT HYMASK ONEPRO

EN approved surgical disposable mask which filters greater than 98% of exhaled bacteria.

FEATURES

- › Low breathing resistance
- › Latex free
- › Invisible nose clip
- › Reinforced earloop

INDUSTRIES





TECHTION® SPIRO FUSION P1 MULTIPRO

P1 class foldable mask with excellent fit and comfort.

FEATURES

- > Protection against - Solid particles
- > Nose clip - Adjustable & invisible
- > Exhalation valve - Nil
- > Strap options - Adjustable headband / Fixed earloop
- > Nose foam - Nil
- > Colour options - ■ ■ ■



INDUSTRIES



TECHTION® SPIRO SPIRIT P2VD MULTIPRO

Premium P2 class mask offering utmost comfort and best in class protection against Heavy dust.

FEATURES

- > Protection against - Solid particles
- > Nose clip - Embedded Plastic
- > Exhalation valve - Valved
- > Strap options - Elasticated Headband With Adjustable Bead
- > Nose foam - Nil
- > Colour options - ■ ■



INDUSTRIES



TECHTION® SPIRO FUSION P2/P2V MULTIPRO

P2 class foldable mask with best comfort and fit offering low breathing resistance.

FEATURES

- > Protection against - Solid particles
- > Nose clip - Adjustable & invisible
- > Exhalation valve - valved
- > Strap options - Adjustable headband / Fixed earloop
- > Nose foam - Nil
- > Colour options - ■ ■ ■



INDUSTRIES



TECHTION® SPIRO FRP2 VC WELDPRO

Premium P2 class mask offering best in class protection and comfort. Suitable for welding and grinding applications.

FEATURES

- > Protection against - Solid, liquid & welding spatters
- > Nose clip - Adjustable & invisible
- > Exhalation valve - Valved
- > Strap options - Adjustable headband
- > Nose foam - Yes
- > Colour options - ■ ■



INDUSTRIES



TECHTION® SPIRO GUARD P2V MULTIPRO

Pre-formed cup shape valved respirator offering P2 class protection and foam seal at nose bridge provides comfort.

FEATURES

- > Protection against - Solid particles
- > Nose clip - Adjustable
- > Exhalation valve - Valved
- > Strap options - Adjustable headband
- > Nose foam - Yes
- > Colour options - ■ ■



INDUSTRIES



FRONTIER GRIT + V

P1 class foldable mask with good fit and comfort.

FEATURES

- > Protection against - Solid particles
- > Nose Clip - Adjustable & invisible
- > Exhalation valve - valved
- > Strap options - Elasticated with adjustable bead
- > Nose foam - Nil
- > Colour options - ■ ■ ■



INDUSTRIES



FRONTIER GRIT PRO

ISI certified P1 class foldable mask with good fit and comfort.

FEATURES

- > Protection against - Solid particles
- > Nose clip - Adjustable & invisible
- > Exhalation valve - Nil
- > Strap options - Elasticated with adjustable bead
- > Nose foam - Nil
- > Colour options - ■ ■



INDUSTRIES



FRONTIER GRIT MAX

ISI certified P1 class foldable mask with good fit and comfort.

FEATURES

- > Protection against - Solid particles
- > Nose clip - External
- > Exhalation valve - Nil
- > Strap options - TPE elastic headband
- > Nose foam - Nil
- > Colour options - ■ ■



INDUSTRIES



TECHTION® XPERT MASK ONEPRO

Disposable surgical masks > 98% BFE.

FEATURES

- > Low breathing resistance
- > Latex free
- > Invisible nose clip
- > Reinforced earloop

INDUSTRIES



IS 16289



CML / - 6500046608



Re-Usable Selection Chart

Basic Condition for Usage	Nature of the Contaminant	Nature	Device	Recommended Respiratory Protective Device
Oxygen Concentration > 19.5 %	Gaseous Contaminants	Gases Irritating to Eyes/Eye Injury Risk	Face Piece	Full Face Mask
		Gases Non Irritating to Eyes		Half Face Mask
		Organic Gases	Gas Filter Cannister	A Type Cannisters
		Inorganic Gases		B Type Cannisters
		Acidic Gases		E Type Cannisters
		Ammonia Gas		K Type Cannisters
		Mix of Gases		ABEK Type Cannisters

*Particulate Matter (Repairable Suspended Particulate Matter in Solid and Liquid Form) Alongwith Gaseous Contaminants.

*use appropriate pre filters along with the correct cannisters - refer disposable mask selection guide to select the appropriate prefilter as per rspm (respirable Suspended particulate matter) npf (nominal protection factor) value.

REUSABLE RESPIRATOR

TECHTION® SPIRO FFM / HFM MASKS

Reusable respirators offering protection from harmful gases, vapors and mix of particulate perils in industries.



SPIRO HFM 600



SPIRO FFM 680



SPIRO HFM 700



SPIRO GF 401



SPIRO GF 403



SPIRO GF 404



SPIRO GF 406

CE EN 140 : 1998 - Class

Description	SPIRO GF 401	SPIRO GF 403	SPIRO GF 404	SPIRO GF 406
Class	A1	A1E1	K1	ABEK1
Protection Type	Organic Vapor	Organic Vapor/Acid Gas	Ammonia	Multi gas and Vapor
Material	Carbon	Carbon	Carbon	Carbon
Connection Type	Bayonet	Bayonet	Bayonet	Bayonet
Product series	SPIRO HFM 600	SPIRO HFM 600	SPIRO HFM 600	SPIRO HFM 600
	SPIRO HFM 700	SPIRO HFM 700	SPIRO HFM 700	SPIRO HFM 700
	SPIRO FFM 680	SPIRO FFM 680	SPIRO FFM 680	SPIRO FFM 680



SPIRO PFH 401 + SPIRO PF 411
Pre-Filter Holder Pre-Filter

HEAD PROTECTION



Premium **lightweight** safety helmet with **vented shell** provides **comfort, fit** and **superior protection**. Available in wide range of colours and harness options.

GUIDE TO STANDARD - SAFETY HELMETS

ANSI | EN | IS

Impact Resistance			
Determines the capability of a Safety Helmet to withstand and absorb the energy of a standard Impact that is caused by a standard striker happens on the top of helmet			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology	Force Transmission	Shock Absorption	Shock Absorption Resistance
Striker Weight	3.6 KG	5KG	3 KG
Drop Height	1.5 Meter	1 Meter	1.5 Meter
Test Pass Criteria (Resultant Energy Max)	4450 N	5000 N	5000 N
Pre Test Conditioning	Hot, Cold, Wet	Hot,Cold,Wet, Artificial Ageing	Hot, Cold, Running Water

Penetration Resistance			
Determines the capability of a Safety Helmet to withstand a standard impact that is caused by a standard pointed striker on top of the helmet			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology	Apex Penetration	Resistance to Penetration	Penetration Resistance
Striker Weight	1 KG	3 KG	0.5 KG
Striker Angle	60 Degree, Tip Radius 0.25mm	60 Degree, Tip Radius 0.5mm	36 Degree, Tip Radius 0.5mm
Drop Height	2.5 Meter	1 Meter	3 Meter
Test Pass Criteria	Striker shall not make Contact with top of test headform.	Striker shall not make Contact with top of test headform.	Helmet Should Not Break, Depth of dent formed Should be less than 10mm
Pre Test Conditioning	Hot, Cold, Wet	Hot, Cold, Wet, Artificial Ageing	Hot, Cold, Running Water

Flame Resistance			
Determines the Capability of a Safety Helmet to withstand the effect of standard flame and to assess its self extinguishing property			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology	Flammability	Flame Resistance	Flammability Resistance
Flame Height	50mm	45mm	150mm
Flame Temperature	800-900 Deg C	Not Defined	Flame should be able to Melt a 0.71mm copper Wire in 6 secs
Exposure Time	6 Seconds	10 Seconds	10 Seconds
Test Pass Criteria	No Burning after 5 seconds of removal from flame	No Burning after 5 seconds of removal from flame	No Burning after 5 seconds of removal from flame
Pre Test Conditioning	NA	Helmet used for Shock Absorption test shall be used	NA

Electrical Resistance			
Determines the Capability of a Safety Helmet to offer insulation against high voltages			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology	Electrical Insulation Requirements	Electrical Properties	Electrical Resistance
Test Voltage			2000 V
Voltage Application Time	Optional Requirement For Class G and Class E Helmets	Optional Requirement	1 Minute
Test Pass Criteria			Leakage current < 3 mA
Conditioning			18-24 Hrs in 6gm/l of Salt Solution in water

Chin Strap Strength			
Determines the Load that the Chinstrap and Anchorages can withstand			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology		Chin Strap anchorages	Strength of Chin Strap
Load Applied	Not Required for Type-1 Helmets	150 N to 250 N @ 20 N/m	10 KGf
Pass Criteria		Strap Should withstand upto 150 N and Break between 151 N & 250 N	Strap Should Not Break in 15 minutes

Heat Resistance			
Determines Capability of the Shell to Withstand high temperature			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology			Heat Resistance
Temperature			93 Deg C
Time	Not Assessed	Not Assessed	15 Minutes
Test Pass Criteria			Shell Should not Separate, Distort Or Soften

Water Absorption Resistance			
Evaluates Hemet for Water absorbing Nature			
Description	ANSI Z 89.1	EN 397	IS 2925
Terminology			Water Absorption
Test Condition	Not Assessed	Not Assessed	Immersing 24 Hrs In water
Test Pass Criteria			Average gain in mass Should be less Than 5% of original weight

Data tabulated above covers key performance requirements of TOP IMPACT Helmets. Please refer the corresponding standards for detailed understanding.



6 point Nylon suspension



"Turn-n-Lock" Wheel Ratchet



TECHTION® ORBIT GOLD MULTIPRO

Premium Safety helmets with "Turn-n-Lock" wheel rotary ratchet system for a tailored fit.



ANSI/ISEA Z89.1-2014



CM/L - 6500003089

Shell	HDPE
Harness	Nylon
Sweat Band	Perforated PU Sheet with Foam Backer
Chin Strap	Textile Webbing
Circumference range	520 - 600 mm
Adjustment	"Turn-n-Lock" Wheel Ratchet

Available Colours



TECHTION® ORBIT MULTIPRO

IS 2925 : 1984



ANSI/ISEA Z89.1-2014

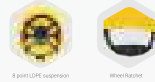


CM/L - 6500003089



Shell	HDPE
Harness	LDPE
Sweat Band	Laminated Foam
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Wheel Ratchet

Available Colours



TECHTION® ORBIT PLUS MULTIPRO

IS 2925 : 1984



ANSI/ISEA Z89.1-2014

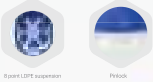


CM/L - 6500003089



Shell	HDPE
Harness	LDPE
Sweat Band	Laminated Foam
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Pinlock

Available Colours



VALPRO® COMMANDER

IS 2925 : 1984

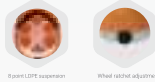


CM/L - 6500003089



Shell	HDPE
Harness	LDPE
Sweat Band	Laminated Foam
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Pinlock

Available Colours



VALPRO® COMMANDER PLUS

IS 2925 : 1984

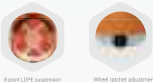


CM/L - 6500003089



Shell	HDPE
Harness	LDPE
Sweat Band	Laminated Foam
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Wheel Ratchet

Available Colours



VALPRO® RANGER PLUS

IS 2925 : 1984



ANSI/ISEA Z89.1-2014

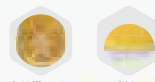


CM/L - 6500003089



Shell	HDPE
Harness	LDPE
Sweat Band	Laminated Foam
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Wheel Ratchet

Standard Colours Customized Colours



VALPRO® GUARDIAN

IS 2925 : 1984

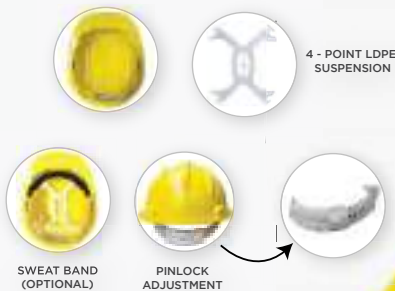


CM/L - 6500003089



Shell	HDPE
Harness	LDPE
Sweat Band	-
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Pinlock

Standard Colours Customized Colours



VALPRO® WARRIOR

Light weight helmet for comfort, designed for universal fit

Shell	HIGH IMPACT CROSS LINKED POLYMER
Harness	LDPE
Sweat Band	(Optional)
Chin Strap	Textile Webbing
Circumference range	520 - 600 Mm
Adjustment	Pinlock



CM/L - 6500003089

Standard Colours Customized Colours





IS 2925:1984



CML - 6500003089



ANSI/ISEA Z89.1-2014



“Premium Safety Helmets designed to comply multiple regulatory standards”

MADE TO LAST!

“Reliable and durable safety helmets made using high impact virgin polymers on best of class japanese precision machineries”.

COMFORT + FIT

A lightweight and ventilated design that is ideal for long duration usage.

Six point suspension system provides snugged fit & comfort.

STABILITY + BALANCE

Orbit Series safety helmets offer ergonomically correct, true center of gravity head protection that feels lighter and more stable.

PERFORMANCE + SAFETY

Premium HDPE shell.Orbit series helmets are offered complying to, and certified as per European Standard - EN 397: 2012, Indian Standard - IS 2925 and American Standard - ANSI/ISEA Z89.1-2014.

3-POINT DEPTH ADJUSTMENT

The harness features unique 3 point depth option enabling user to select precise fit as per their comfort.

ENHANCED STRENGTH

Triple Ribbed shell provides additional reinforcement and aesthetic appeal.

COMPATIBILITY+ CONVENIENCE

Universal 30 mm accessories slots for to accommodate wide range of accessories like ear muff, face shield etc.



EYE & FACE PROTECTION

EUROPEAN STANDARD ON PERSONAL EYE PROTECTION

On the basis of 89/686/EEC Directive, Personal Protective Equipment (PPE) shall mean any device or appliance designed to be worn or held by an individual to protect himself against one or more health and safety hazards, as well as any accessory or ensemble designed so as to be a component of a personal protective equipment. Personal Protective Equipment (PPE) are divided into three categories:



Category I

PPE of simple design, intended to safeguard the individual from minimal risks, whose gradual effects may be perceived on time and without permanent consequences to the user who is able to understand the effectiveness of the protection provided by the PPE.



Category II

PPE that do not belong to the other two categories. Intermediate Risk.



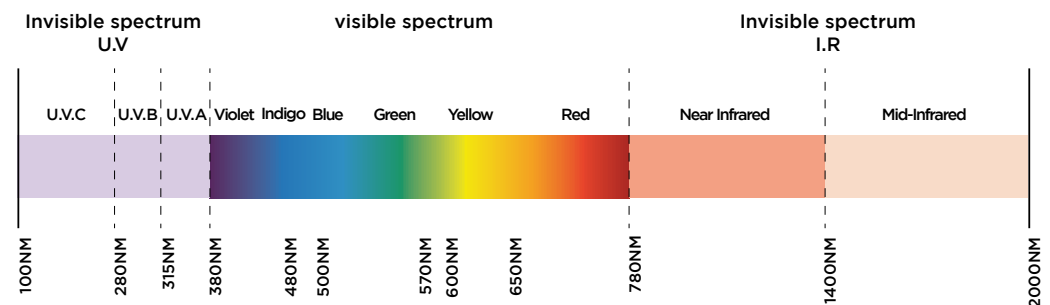
Category III

PPE of complex design intended to protect against mortal danger or against dangers that may seriously and irreversibly harm the health, of the user. Under this category are grouped those PPE intended to provide protection against short circuit electric arc.

MEANINGS OF EN MARKING

PPE belonging to category II and III shall be tested and certified by an officially recognized European Notified Body. Product certification which demonstrate compliance to the requirements set by PPE directive 89/686/EEC might be based on the following European standards:

EN166	Personal eye-protection specifications
EN175	Equipment for eye and face protection during welding and allied processes
EN166	Recalls additional standards which further specify requirements as a function of PPE typology and of their fields of use:
EN165	Vocabulary
EN167	Optical test methods
EN168	Non-optical test methods
EN169	Filter for welding and related techniques
EN170	Ultra-violet (UV) filters
EN171	Infra-red (IR) filters
EN172	Sunglare filters for industrial use
EN1731	Mesh eye and face protectors
EN379	Specification for automatic welding filters



Source	Hazard	EN Standard	PPE	Product Recommendation
IMPACT - Chipping, grinding, machining, masonry work, woodworking, sawing, drilling, chiseling, powered fastening, riveting, and sanding.	Flying fragments, objects, large chips, particles sand, dirt, etc.	Mechanical Risk	Safety spectacles with side protection, goggles, face shields. For severe exposure, use face shield	Hardy, Ultra, Commander, Hurricane, Protector ID
	Hot Sparks.	Thermal Risk	Face shields, goggles, safety glasses with side protection.	Gold face shield
HEAT - Furnace operations, pouring, casting, hot dipping, and welding	Splash from molten metals.	Thermal Risk	For severe exposure, use face shield.	Clear face shield
	High temperature exposure.	Thermal Risk	Face shields worn over goggles.	Covered clear face shield
CHEMICALS - Acid and chemicals handling, degreasing, plating	Splash.	Chemical Risk	Screen face shields, reflective face shields.	Chemical splash or Protector ID
	Irritating mists.	Mechanical Risk	Goggles, eyecup and cover types. For severe exposure use face shield. Special-purpose goggles.	Chemical splash or clear face shield
DUST - Woodworking, buffing, general dusty conditions.	Nuisance dust.	Radiation Risk	Goggles, eyecup and cover types.	Chemical splash or clear face shield
LIGHT and/or RADIATION Welding: Electric arc	Optical radiation.	Radiation Risk	Welding helmets or welding shields. Typical shades: 10-14.	
Welding: Gas	Optical radiation.	Radiation Risk	Welding goggles or welding face shield. Typical shades: gas welding 4-8, cutting 3-6, brazing 3-4.	Hurricane IR5 & Face shield IR5
Cutting, Torch	Optical radiation.	Radiation Risk	Safety spectacles or welding face-shield.	
Brazing soldering			Typical shades, 1.5-3.	
Glare	Poor vision.	Radiation Risk	Safety spectacles with shaded or special purpose lenses, as suitable.	Amber coating

Fields Of Use - Additional Markings Which Can Be Found On Frame

Description Of The Field Of Use	Symbol		Spectacles	Goggles	Face Shield
Unspecified mechanical hazards and hazards arising from ultraviolet, visible, infra-red and sun radiation	No Symbol	Basic use	✓	✓	✓
Liquids (droplets or splashes)	3	Liquids		✓	✓
Dust with a particle size > 5 µm	4	Large dust particles		✓	
Gases, vapours, sprays, smoke and dust with a particle size < 5 µm	5	Gas and fine dust particles		✓	
Electrical arc due to a short circuit in electrical equipment	8	Short circuit electric arc			✓
Splashes of molten metals and penetration of hot solids	9	Molten metals and hot solids		✓	✓

GUIDE TO STANDARD EN166

EUROPEAN STANDARD ON PERSONAL EYE PROTECTION



MECHANICAL RISK

Dust
Impact
Projection of solid particles
Debris



THERMAL RISK

Hot liquids
Molten metals
Intense heat radiation



CHEMICAL RISK

Acids
Solvents
Gas and vapors
Aerosols
Toxic dusts



RADIATION RISK

UV & IR radiation
Laser work
Exposure to bright light
Welding environment

SPECTACLE

Example Of Marking Identification On The Lens

2C-1.2	T	1	FT	KN	CE
Scale number (code number - shade number)*	Brand (Techtion)	Optical Class	Mechanical resistance	Optional requirement	



* The scale number for welding filters is only represented by the shade number

* K - Anti scratch certification

* N - Anti fog certification

Example Of Marking Identification On The Frame

T	EN166	FT	CE
Brand (Techtion)	Standard re.	Symbol for mechanical strength	

OPTIONAL REQUIREMENTS - ADDITIONAL MARKINGS ON LENSES, VISORS AND OCULARS

Symbol for protection against short circuit electric arc	8
Symbol for protection against molten metals and hot solids	9
Resistance to surface damage by fine particles	K
Resistance to fogging of oculars	N
Protection against high speed particles at extreme temperatures (-5/+55°C)	T
Frame suitable for small size head	H
Enhanced reflectance in the infra-red	R
Symbol for replacement ocular	▽

Scale Number			
Code Number		Shade number and typical lens colours	
2	Ultraviolet (UV)	1.2	Clear
2C	UV with good colour recognition	1.7	In/Out, yellow, clear mirrored, UVR
4	Infra-red (IR)	2.5	Brown, smoke
5	Sunglare filter without infra-red specification	3.1	G15, smoke mirrored
6	Sunglare filter with infra-red specification	3,4,5,...11	Welding

Welding products do not require a code number

Optical Class	
No.	Type
1	Permanent wear
2	Occasional wear
3	Brief wear

Protection Against High Speed Particles							
Mechanical resistance	Impact level	Impact speed	Diameter	Grams	Spectacles	Goggles	Face shields
A (T)	High energy impact	190 m/s	ø 6 mm	0.86			✓
B (T)	Medium energy impact	120 m/s	ø 6 mm	0.86		✓	✓
F (T)	Low energy impact	45 m/s	ø 6 mm	0.86	✓	✓	✓
S	Increased robustness	5.1 m/s	ø 22 mm	43	✓	✓	✓

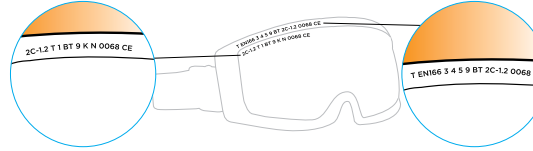
(T) if the impact letter (F, B or A) is followed by the letter T, then the eyewear protects against impact at extreme temperatures (-5°/ +55°C)

Example Of Marking Identification On The Lens

2C-1.2	T	1	BT	9	K N	0068	CE
---------------	----------	----------	-----------	----------	------------	-------------	-----------

Scale number (code number - shade number)* Brand (Tecthion) Optical Class Mechanical resistance Field of use Optional requirement Notified Body number only for PPE belonging to Cat. III

- * The scale number for welding filters is only represented by the shade number
- * K - Anti scratch certification
- * N - Anti fog certification



Example Of Marking Identification On The Frame

T	EN166	3 4 5 9	BT	2C-1.2	0068	CE
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Brand (Tecthion) Standard re. Fields of use Mechanical resistance Filter compatible with the frame Notified Body number only for PPE belonging to Cat. III

Eye Protection Selection Chart

Brand	Type	Model	(UV) Scale No.	Description	Shade No.	Lens Colour	Mechanical Resistance	Special Features							Standards		
							As Per EN166	Anti Scratch	Anti Fog	Light Weight	Metal Free	Side Vented	Adjustable Temple	Soft Nose Bridge	ISI	CE	ANSI
TECHTION	Spectacle	Optec Hardy	2C	Low Energy Impact	1.2	Clear	F (T)	✓		✓					✓		
	Spectacle	Optec Hardy	5	Low Energy Impact	3,1	Smoke	F (T)	✓		✓					✓		
	Over the goggle	Optec Reflex	2C	Low Energy Impact	1.2	Clear	F (T)	✓									
	Spectacle	Optec Hardy+	2C	Low Energy Impact	1.2	Clear	F (T)	✓	✓			✓			✓		
	Spectacle	Optec Air	2C	Low Energy Impact	1.2	Clear	F (T)	✓	✓	✓					✓	✓	
	Spectacle	Optec Ultra	2C	Low Energy Impact	1.2	Clear	F (T)	✓		✓					✓	✓	
	Spectacle	Optec Sniper	2C	Low Energy Impact	1.2	Clear	F (T)	K	N		✓	✓		✓	✓	✓	
	Spectacle	Optec Sniper	5	Low Energy Impact	3,1	Smoke	F (T)	K	N		✓		✓		✓	✓	
Goggle	Optec Gladiator	2C	Medium Energy Impact	1.2	Clear	B (T)		✓							✓	✓	
FRONTIER	Spectacle	Hardy	2C	Low Energy Impact	1.2	Clear	F (T)	✓			✓				✓	✓	
	Spectacle	Hardy	5	Low Energy Impact	3,1	Smoke	F (T)	✓			✓				✓	✓	
	Over the goggle	ET-30	2C	Low Energy Impact	1.2	Clear	F (T)	✓				✓			✓	✓	
	Spectacle	Hurricane	2C	Low Energy Impact	1.2	Clear	F (T)	✓	✓				✓	✓	✓	✓	
	Goggle	Chemical Splash	2C	Medium Energy Impact	1.2	Clear	B (T)	✓	✓		✓		✓		✓	✓	
	Faceshield	Faceshield	2C	Medium Energy Impact	1.2	Clear	B (T)	✓							✓	✓	
	Faceshield	Faceshield IR5	2C	Medium Energy Impact	5.3	Smoke	B (T)	✓							✓	✓	
VALPRO SAFE AT WORK	Spectacle	Commander	2C	Low Energy Impact	1.2	Clear	F (T)	✓	✓		✓			✓	✓	✓	
	Spectacle	Hardy	2C	Low Energy Impact	1.2	Clear	F (T)	✓									✓
	Goggle	Protector ID	2C	Medium Energy Impact	1.2	Clear	B (T)	✓	✓						✓		

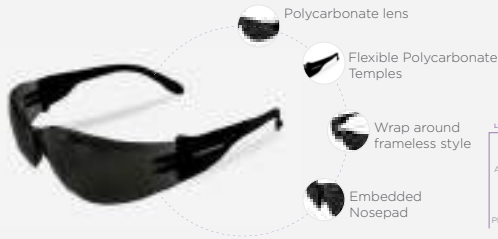
*All Spectacles/Goggles/OTG are optical class 1 (Permanent wear)

*K - Resistance to surface damage by fine particles

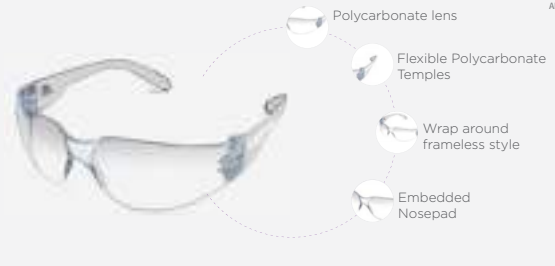
*N - Resistance to fogging oculars

TECHTION® OPTEC HARDY

■ Lightweight single wrap-around style glass.



CE EN166: 2001



TECHTION® OPTEC ULTRA MULTIPRO

■ Sporty look with all-round vision.

CE EN166: 2001



KEY FEATURES

- Sports style
- Adjustable Nosepad
- Soft temple edges
- Dielectric
- Aero Temples



FRONTIER® SHIELD

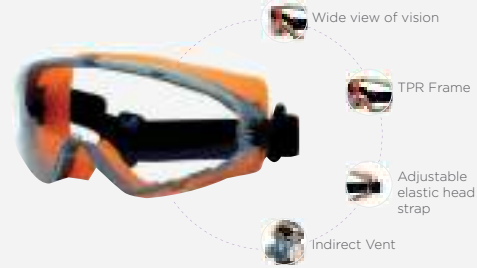
■ The real meaning of ergonomics and protection!

CE EN166: 2001



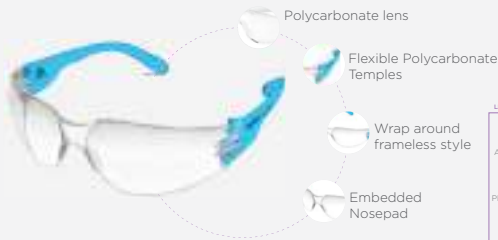
KEY FEATURES

- Panoramic Vision
- Wear over Prescription Eyewear
- Soft TPE Nose-Bridge
- Dielectric



TECHTION® OPTEC HARDY PLUS MULTIPRO

■ Feather lightweight for extended wear.



FRONTIER® ET30

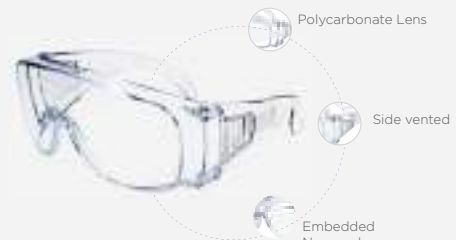
■ OTG with comfort and style.

CE EN166: 2001



KEY FEATURES

- Wear over prescription eyewear
- Side shield Protection



TECHTION® OPTEC AIR MULTIPRO

■ Feather lightweight for extended wear.

CE EN166: 2001

KEY FEATURES

- Sports style
- Flex temples
- Light weight
- Aero Temples



FRONTIER® V

■ Metal frames for quick and simple attachment of visor to safety helmets.

CE EN166: 2001



KEY FEATURES

- Chemical Splash Protection



FRONTIER HURRICANE IR5 WELDPRO

STYLISH GLASSES WITH STRETCHABLE TEMPLES FOR WELDING APPLICATIONS.

KEY FEATURES

- Optical grade PC Lens
- Flexible nylon Frame
- Length adjustable temples
- Soft & adjustable nose bridge
- IR5 shade lens for welding applications
- Anti-fog & anti-scratch lens

APPLICATIONS

- Light Welding Applications
- Heavy and General fabrication works
- Molding shops
- Foundries
- Furnace shops and Kilns

CERTIFICATION

CE EN166: 2001



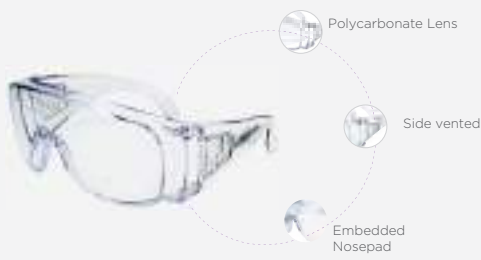
TECHTION® OPTEC REFLEX MULTIPRO

■ OTG with comfort and style.



KEY FEATURES

- Wear over prescription eyewear
- Side shield Protection



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION

FRONTIER® XPRESS

■ Replacement visor for the protection against high-speed airborne particles and splashes of molten metal.



KEY FEATURES

- Light and medium gas welding



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION

TECHTION® OPTEC SNIPPER MULTIPRO

■ Sport style most likely safety glasses.



KEY FEATURES

- Sports style
- Soft TPE Nose-Bridge
- Dielectric
- Soft temple edges



- LENS COATINGS**
- Anti-Scratch
 - Anti-Fog
 - UV PROTECTION

VALPRO® COMMANDER

■ Sporty style safety spectacle with guaranteed protection.



KEY FEATURES

- Sports style
- Adjustable Nosepad
- Soft temple edges
- Dielectric



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION
 - Anti-Fog

TECHTION® OPTEC GLADIATOR MULTIPRO

■ Innovative design with maximum protection.



KEY FEATURES

- Panoramic Vision
- Wear over Prescription Eyewear
- Soft TPE Nose-Bridge
- Dielectric



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION
 - Anti-Fog

VALPRO® PROTECTOR ID

■ Safety goggle with Indirect vent.



KEY FEATURES

- Panoramic Vision
- Wear over Prescription Eyewear



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION
 - Anti-Fog

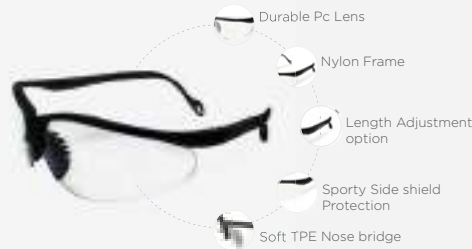
FRONTIER® HURRICANE

■ Classic style top frame safety glasses.



KEY FEATURES

- Length Adjustable Temples
- Soft TPE Nose-Bridge



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION
 - Anti-Fog

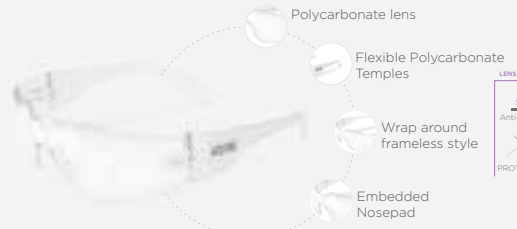
VALPRO® HARDY

■ Cost-effective, classic style frameless safety glasses



KEY FEATURES

- Panoramic Vision
- Flexible Temples
- Light Weight



- LENS COATINGS**
- Anti-Scratch
 - UV PROTECTION

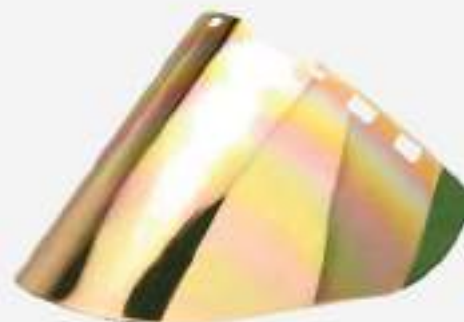
GREEN FACE SHIELD

KEY FEATURES

- Lens – Green from inside, Gold from outside.
- Material – Polycarbonate.
- Reflects 99% of radiant heat.
- Protects against 99% UV protection.
- Protects from IR rays.

APPLICATIONS

Impact: Chipping, grinding, machining, masonry work, riveting, & sanding. Glare. Furnace operations, foundries, etc.



CERTIFICATION
ANSI Z87.1 +



TECHTION® AUTIC EXTREME MULTIPRO

High Performance, dielectric earmuff for all day comfort.

CERTIFICATION

CE EN352-1: 2002

34 dB

APPLICATIONS

- Manufacturing
- Airport & Railways
- Constructions
- Oil & Gas
- Mining & Quarry



32 dB

CERTIFICATION

CE EN352-1: 2002



TECHTION® AUTIC P DISPENSER MULTIPRO

Hygienic dispenser box provides users to easily access PU foam earplugs.



32 dB

CERTIFICATION

CE EN352-1: 2002

TECHTION® AUTIC ULTRA FLEX MULTIPRO

Folding style earmuff offers flexibility with Padded foam headband.



30 dB

CERTIFICATION

CE EN352-3: 2002

TECHTION® AUTIC ULTRA MOUNT MULTIPRO

Helmet Mounted earmuff for workers who wearing safety helmets.



27 dB

CERTIFICATION

CE EN352-1: 2002

VALPRO® GUARDIAN EARMUFF

Low profile three-position earmuff, allowing maximum wearer flexibility



www.midassafety.in



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