



Personal Protective Equipment

PRODUCT CATALOG



Personal Protective Equipment

3 - 17 Paint Overalls and Workwear

18 - 23 Hand Protection

24 - 35 Respiratory Protection and Equipment

Personal Protective Equipment **PAINT OVERALLS AND** **WORKWEAR**



Paint Overalls and Workwear

In the field of paint overalls and workwear we cover and meet the complete range of latest market demands:

Simple and budget-priced	Styles:	EASY + BILLY-TEF (with TEFLON finishing)
Well and fair-priced	Styles:	COOLY ocean + ice – Carbon yarn woven into the fabric + multifunctional hood
High-class	Styles:	SAFETY neo + SAFETY neo KITTEL + PROFESSIONAL <ul style="list-style-type: none"> • With TEFLON finishing + carbon yarn • Certified regarding important standards (see below) • Smocks with multifunctional hood

Our products convince with their fabric of high quality and they are fashionable too. A functional modern cut which is comfortable, and our stylish colours were consequently put into practice.

The garment is equally worn in the industry and in trade by auto body shop varnishers, industry varnishers, in

technical centers, or by application engineers, or start-up engineer automobile manufacturers. The automobile industry demands garments like ours (style SAFETY neo + SAFETY neo KITTEL + PROFESSIONAL – clean room like).

We offer an in-house **imprinting service** (corporate identity).

The styles SAFETY neo + SAFETY neo KITTEL + PROFESSIONAL are outstanding caused by the following features

1. Processing e.g piped seam

2. Wearing comfort

3. Fashionable accents

Examinations/Certificates of the fabric:

Antistatic	Standard DIN EN 1149-1:2006 and DIN EN 1149-3:2004, official carried out valuation standard DIN EN 1149-5:2008
Inflammable	Standard EN ISO 14116:2008 (former EN 533) Index 1
Breathable fabric	investigation of water vapor permeability (Ret-figure = 2.37 m ² Pa/W = extremely breathable)
Change of measurement	Standard EN ISO 5077:2008 / EN ISO 6330

Additionally to these qualities the overalls are dirt-and water-repellant with TEFLON-finishing. We offer products of excellent quality while maintaining maximum cost-efficiency.

Being at home within this sensible field of explosion prevention and solvent recycling we have deliberately expended the effort.

The fabric of the styles SAFETY neo + SAFETY neo KITTEL + PROFESSIONAL is examined by:

- STFI (institution for certification of safety garment)
- HOHENSTEIN Institute
- TESTEX

COVERALL "SAFETY neo"

The outstanding features of this coverall are its breathability and that it is extremely comfortable to wear. It is made of a lint-free polyester filament, with a **CARBON YARN** woven into it in order to bleed off potential static. In addition, the coverall is prepared with **dirt- and water-repellent TEFLON-finishing**.

Our coverall "SAFETY neo" complies with EN 1149-1 and it goes without saying that it is CE conform. For safety reasons the fabric of the coverall is inflammable and is EN ISO 14116:2008 index 1 (former EN533) conform.

To make the wearer feel comfortable, special care was given to the following details:

- **Colour blocking within back and front yoke as they are designed in a different colour**
 - **Breathability and a comfortable fit**
 - **Antistatic, free of silicone, washable and it can be ironed**
 - **Coverall "SAFETY neo" is available in 7 sizes: (S, M, L, XL, 2XL, 3XL, 4XL)**
 - **Available colours: dark blue / light slate blue alternatively: dark grey / light grey**
- Other colours are optional available!

Press buttons
optional hood

Press buttons for adjust-
ment of width at neck

Long 2-way-front-zipper
for a comfortable put on

2 big breast pockets
with flaps and buried
press buttons

1 inside pocket

Aeration net under
the armpit

Lint-free micro-fiber
cuffs

2 side pockets

Folding rule pocket

2 well-spaced
knee pad pockets

Adjustable hem with
press buttons for
adjustment of width

Hood optional

Air vent within yoke at
the back with
temperature zone

Waist with adjustable
elastic band and
stopper corded piping

Seat pocket with flap



Long 2-way-front-zipper



Dirt- and water-repellant with
Teflon-finishing by DuPont.



Piped seams.
BOUND SEAM SYSTEM



Texture with approx. 2% carbon additive,
bleeds off potential static permanently.



Examined fabric. EN ISO
14116:2008 Index 1

Paint Overalls and Workwear



"SAFETY neo Gown" (formerly TEFFY)

Our gown SAFETY neo KITTEL is just like coverall SAFETY neo-made of a lint-free polyester filament, with a CARBON YARN woven into it in order to bleed off potential static.

The fabric complies with EN 1149-1. For safety reasons the fabric of the gown is inflammable and is EN ISO 14116:2008 index 1 (former EN533) conform. In addition, the gown is prepared with dirt- and water-repellent TEFLON-finishing.

The GOWN TEFFY is functionally equipped with: Hidden selvedge (including velcro fastener), 1 stitched-on breast pocket, 2 stitched-on front pockets, cuffs with elastic band, velcro fastener at the collar. The gown is equipped with a hood. The hood can be turned inside the gown which still leaves the stand-up collar for protection.

The outstanding features of this gown are its:

- **Breathability and that it is extremely comfortable to wear**
- **Antistatic, free of silicone, washable and it can be ironed**
- **The gown is available in 5 sizes (S, M, L, XL, 2XL)**
Standard length: approx. 105 cm
- **Bicolour: light grey / dark grey**

Hood optional



Dirt- and water-repellant with Teflon-finishing by DuPont.



Piped seams. BOUND SEAM SYSTEM



Texture with approx. 2% carbon additive, bleeds off potential static permanently.



Examined fabric. EN ISO 14116:2008 Index 1

HOOD WITH BUTTONS FOR MODELS „SAFETY NEO“ AND „SAFETY NEO GOWN“



Available for all models SAFETY neo and SAFETY neo Gown (optional).



Standardised button-system for a perfect fit.



Due to a standardised button tab the hood can be fixed quickly and easily on the collar of each coverall / gown with this feature.



Item	Description
Artikel Nr. KAP-1:	for coveralls/gown size: S and M
Artikel Nr. KAP-2:	for coveralls/gown size: L, XL and 2XL
Artikel Nr. KAP-3:	for coveralls/gown size: 3XL, 4XL and 5XL

While ordering the hood, please pay attention to the correct coverall and/or gown size.

Paint Overalls and Workwear



COVERALL "PROFESSIONAL" IN RACING-DESIGN

The outstanding features of this coverall are its breathability and that it is extremely comfortable to wear. It is made of a lint-free polyester filament, with a **CARBON YARN** woven into it in order to bleed off potential static. In addition, the coverall is prepared with **dirt- and water-repellent TEFLON-finishing**.

Our coverall "PROFESSIONAL" complies with EN 1149-1 and it goes without saying that it is CE conform. For safety reasons the fabric of the coverall is inflammable and is EN ISO 14116:2008index 1 (former EN533) conform.

To make the wearer feel comfortable, special care was given to the following details:

- **Colour blocking within back and front yoke as they are designed in a different colour**
- **Breathability and a comfortable fit**
- **Antistatic, free of silicone, washable and it can be ironed**
- **Coverall "PROFESSIONAL" is available in 7 sizes: (S, M, L, XL, 2XL, 3XL, 4XL)**
- **Colours: anthracite / white with red fancy seem**



Long 2-way-front-zipper



Inside pocket



Dirt- and water-repellant with Teflon-finishing by DuPont.



Texture with approx. 2% carbon additive, bleeds off potential static permanently.



Examined fabric. EN ISO 14116:2008 Index 1



Knee pad pockets

Detachable multifunctional hood

Air vent within yoke at the back with temperature zone

Waist with adjustable elastic band

Seat pocket with flap



Adjustable hem with press buttons for adjustment of width



Waist with adjustable elastic band



Detachable multifunctional hood

Paint Overalls and Workwear



Texture with approx. 2% carbon additive, bleeds off potential static permanently.

COVERALL "COOLY ice"

The coverall is made of a lint-free polyester filament, with a CARBON YARN woven into it in order to bleed off potential static. Coveralls "COOLY ice" comply with EN 1149-1 and it goes without saying that they are CE conform.

A special feature is the multifunctional collar – the coverall can be worn with hood or alternatively without hood still leaving the stand-up collar.

To make the wearer feel comfortable, special care was given to the following details: Selvege with 2-way-zipper, 1 stitched-on breast pocket, 2 side pockets, 2 seat pockets, 1 inside pocket, cuffs with elastic band, elastic band in waist, velcro fastener at the legs.

The winning features of this coverall:

- **Stand-up collar with hood (multifunctional collar)**
- **2 knee pad pockets**
- **Breathability and a comfortable fit**
- **Antistatic, free of silicone, washable and it can be ironed**
- **To look fashionable, the front and back yoke of the coverall are designed in a different colour**
- **Available in 4 sizes: (M, L, XL, 2XL)**
- **Colours: white/dark blue**

Other colours are optional available.

Multifunctional collar with hood

Air vent within yoke at the back with temperature zone

Waist with adjustable elastic band

2 Seat pockets

Folding rule pocket



COVERALL "COOLY ocean"

The coverall is made of a lint-free polyester filament, with a CARBON YARN woven into it in order to bleed off potential static. Coveralls "COOLY ocean" comply with EN 1149-1 and it goes without saying that they are CE conform.

A special feature is the multifunctional collar – the overall can be worn with hood or alternatively without hood still leaving the stand-up collar.

To make the wearer feel comfortable, special care was given to the following details: selvedge with 2-way-zipper, 1 stitched-on breast pocket, 2 side pockets, 1 inside pocket, 2 seat pockets, cuffs with elastic band, elastic band in waist, velcro fastener at the legs.

The features of this coverall:

- **Stand-up collar with hood (multifunctional collar)**
- **2 knee pad pockets**
- **Breathability and a comfortable fit**
- **Antistatic, free of silicone, washable and it can be ironed**
- **To look fashionable, the front and back yoke of the coverall are designed in a different colour**
- **Available in 7 sizes (S, M, L, XL, 2XL, 3XL, 4XL)**
- **Colours: dark blue/white**

Other colours are optional available.



Texture with approx. 2% carbon additive, bleeds off potential static permanently.

Paint Overalls and Workwear



Dirt- and water-repellant with Teflon-finishing by DuPont.

COVERALL "BILLY-TEF" (Dirt- and water-repellent finishing)

The coverall is made of a lint-free polyester filament.

To make the wearer feel comfortable, special care was given to the following details: Servedge with 2-way-zipper,

1 stitched-on breast pocket with velcro fastener, 2 side pockets with velcro fastener, 1 seat pocket, cuffs with elastic band, elastic band in waist, velcro fastener at the legs. The coverall is equipped with a hood.

The winning features of style "BILLY-TEF":

- 2 knee pad pockets
- Breathability and a comfortable fit
- Antistatic, free of silicone, washable and it can be ironed
- Dirt- and water-repellent finishing
- The coverall is available in 7 sizes:
(S, M, L, XL, 2XL, 3XL, 4XL)
- Colours: blue (dark blue)

Other colours are optional available.



Kneepads

Waist with adjustable elastic band

1 Seat pocket



Lint-free micro-fiber cuffs



COVERALL "EASY"

The coverall is made of a lint-free polyester filament.

To make the wearer feel comfortable, special care was given to the following details:

Selvedge with 2-way-zipper, 1 stitched-on breast pocket, 1 Seat pocket, cuffs with elastic band, elastic band in waist, velcro fastener at the legs. The coverall is equipped with a hood.

The winning features of style "EASY":

- **Breathability and a comfortable fit**
 - **Antistatic, free of silicone, washable and it can be ironed**
 - **The coverall is available in 4 sizes:**
(M, L, XL, 2XL)
 - **Colour: Steelblue**
- Other colours are optional available.

Hood

Velcro fastener at neck

1 big breast pocket

Long 2-way-front-zipper for a comfortable put on

Elastic cuffs

Adjustable hem with velcro for adjustment of width



Paint Overalls and Workwear

Measurement worksheet (in cm):

STYLE	S	M	L	XL	2XL	3XL	4XL
Size	42/44	46/48	50/52	54/56	58/60	62/64	66/68
Height	165-168	171-174	177-180	182-184	186-188	190-192	194-196
Chest width	84-88	92-96	100-104	108-112	116-120	124-128	130-132
Waist width	74-78	82-86	90-94	98-104	110-116	122-126	128-130
Inside leg	72-73	74-76	78-79	80-81	82-83	82-83	84-85
Sleeve length	57-58	59-60	61-62	63-64	64-65	65-66	67-68

Printing service:

Use our in-house emblem-service and the professional appearance will make you standing out from your competitors. To produce your logo your draft as a file will do. You can also supply us with a letterhead or your business card.

Let your imagination run free, there are "nearly" no limits. Give us a challenge. It is possible to place your emblem in any position on the garment (e.g. breast pocket, back, sleeve, leg). The transfer prints are wash- and cleaning resistant. They also have a flame resistant feature.

HERE YOUR COMPANY LOGO OR YOUR CUSTOMER BRAND LOGO COULD BE PLACED >



e.g. printage on back, size 7,5 x 26 cm = 195 cm²



e.g. printage on breast pocket, size ca. 3 x 8 cm = 24 cm²

Sewing methods SAFETY neo + SAFETY neo KITTEL

Piped seam (Bound Seam) - tighter, stronger, fantastic

This sewing method which is applied to style SAFETY neo + SAFETY neo KITTEL makes all the difference regarding the tightness and the tearing strength. After several tests we have decided to use the piped seams as they are the most solid and trust-worthiest ones. The seam piping is an additional seam at the seam edge and therefore an

efficient covering. The seam is stronger because it is doubled. The extra fabric which is used for the piping is texture with carbon yarn, it ensures that even after many washings it still bleeds off potential static.



Apparel for Varnishing and Coating:

More and more automobile manufacturers varnish under clean room conditions to achieve accurate quality for their newly painted vehicles. **The right choice of workwear** is a good base for best results.

On one hand it is important to protect the worker on the other hand the product which is going to be varnished must be protected too. The apparel enables the worker full protection while varnishing and it prevents that particle of

the human body and lint will set free and get on the varnishing surface. The fabric consists of 98% polyester continuous filament and 2% carbon. **The continuous filament guarantees that no yarn particles will set free. The percentage of carbon bleeds off potential static.**

The piped seams (Bound Seam) technique is an unique construction.

Function Apparel "FRESH":

NORTHSHIELD-FRESH is a high performance fabric. It supports doing all sorts of activities. The fabric transports moisture from the body to the surface of the fabric, where it can dry away.

After 30 minutes garment with NORTHSHIELD-FRESH will be almost totally dry again whereas garments with cotton would still have a degree of humidity of 50%. Perspiration weakens ones power. Better humidification means that less energy is needed to cool the body. Therefore power and endurance can be improved.

Features

- Extremely light, elastic, quick-drying
- Tremendously wear-resistant and easy-care
- Seams for smooth wearing comfort
- For work, sports and leisure
- Material: 100% polyester (lint-free)
- Size: M, L, XL, 2XL

T-Shirt



Colour: Anthracite

Polo Shirt



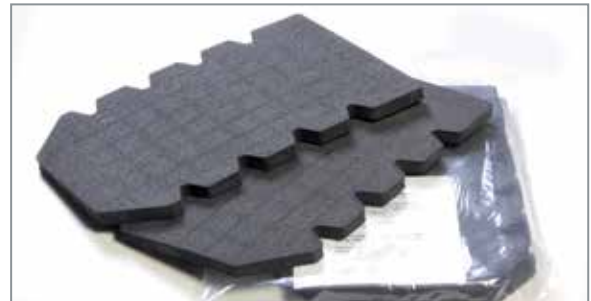
Colour: Anthracite

Shorts



Colour: Anthracite

Kneepads Premium



Kneepads „Premium“ 16x23x1cm

Safety-Cap



Colour: Anthracite
3 Größen: L, XL, 2XL

Safety-Cap back view



Adjustable with
velcrotape

Bandana



Colour: Anthracite
OneSize

Basecap



Colour: Anthracite
Adjustable with
velcrotape

Protective Hood



Synthetic fabric
OneSize



Dirt and water-repellant with
Teflon-finishing by DuPont.



Texture with approx. 2% carbon additive,
bleeds off potential static permanently.

Paint Overalls and Workwear

NORTHSHIELD DISPOSABLE-COVERALL "PAINT PRO" Cat. III, Typ 5B-6B

- Breathable, white and blue disposable coverall with microporous coating of category III, type 5B + 6B, available in 5 sizes (M, L, XL, XXL, XXXL), made of high-quality materials
- Type 5B: dust-tight, particle-tight (EN ISO 13982-1:2004), Type 6B: limited spray-tight (EN ISO 13034:2005), electrostatic characteristics / antistatic (EN 1149-5:2008)
- Designed for effective protection especially against overspray during spray painting and against splashes of chemical products as well as dusts and particles during sanding
- Designed for effective protection especially against overspray during spray painting and against splashes of chemical products as well as dusts and particles during sanding
- Antistatic and lint-free, equipped with a hood, a zipper and cuffs at the wrist
- Comfort fit, skin-friendly and lightweight material
- For use in the industrial and crafts sectors as well as for DIY work, especially for spray painting



special and ventilating
material (blue)



Lint-free micro-fiber cuffs



NORTHSHIELD DISPOSABLE-COVERALL "ADVANCED"

Cat. III, Typ 4B/5B/6B

- White and blue disposable coverall with microporous coating of categorie III, type 4B + 5B + 6B, available in 3 Größen (L, XL, XXL), made of high-quality materials
- Type 4B: spray-tight (EN 14605), Type 5B: dust-tight, particle-tight (EN ISO 13982-1:2004), Type 6B: limited spray-tight (EN ISO 13034:2005), electrostatic characteristics / antistatic (EN 1149-5:2008), protection against radioactive particles (EN 1073-2:2002), protection against infection risks (EN 14126:2003)
- Designed for effective protection especially against fine dusts, fibers, particles, overspray and biological substances during e. g. spray painting, sanding or waste removal jobs
- Antistatic and lint-free, equipped with fully covered seams, self-adhesive chin cover, a hood, elastic standard cuffs and a zipper with self-adhesive cover
- Comfort fit, skin-friendly and lightweight material
- For use in the industrial and crafts sectors



NORTHSHIELD DISPOSABLE-COVERALL "DUST STANDARD"

Cat. III, Typ 5B-6B

- White disposable coverall of category III, type 5 + 6, available in 3 sizes (L, XL, XXL), made of high-quality materials
- Type 5: dust-tight, particle-tight (EN ISO 13982-1:2004), Type 6: limited spray-tight (EN ISO 13034:2005)
- Designed for effective protection especially against dusts and particles during sanding
- NOT designed to protect in context with spray painting and/or against splashes of chemical products
- Antistatic and lint-free, equipped with a hood, elastic standard cuffs and a zipper
- Comfort fit, skin-friendly and lightweight material
- For use in the industrial and crafts sectors as well as for DIY work, especially for sanding and cleaning jobs



NORTHSHIELD DISPOSABLE-COVERALL "PAINT STANDARD"

Cat. III, Typ 5B-6B

- White disposable coverall with microporous coating of category III, type 5B + 6B, available in 3 sizes (L, XL, XXL), made of high-quality materials
- Type 5B: dust-tight, particle-tight (EN ISO 13982-1:2004), Type 6B: limited spray-tight (EN ISO 13034:2005)
- Characteristics: electrostatic characteristics / antistatic (EN 1149-5:2008), protection against radioactive particles (EN 1073-2:2002), protection against infection risks (EN 14126:2003)
- Designed for effective protection especially against overspray during spray painting and against splashes of chemical products as well as dusts and particles during sanding
- Antistatic and lint-free, equipped with a hood, elastic standard cuffs and a zipper
- Comfort fit, skin-friendly and lightweight material
- For use in the industrial and crafts sectors as well as for DIY work, especially for spray painting



Personal Protective Equipment HAND PROTECTION



Hand Protection

FIDI-PROTECT SOFT NITRILE Gloves

This product is a premium-quality nitrile protective glove (chemical and paint protection) which has been designed along the requirements published by the German Employer's Liability Insurance Association ("BG") for painters.

The gloves comply with a number of standards amongst others EN 374-3 and are thus classified as high-tech disposable chemical protective gloves. Accordingly, the gloves have been tested with various chemicals and are labeled with the Erlenmeyer flask icon referring to the tested chemicals and substances.



FIELDS OF USE

- Industrial and crafts sectors, especially in painting and varnishing industry
- Cleaning and maintenance sector
- Research and development laboratories
- Chemical industry
- Electronic and computer industry



CHARACTERISTICS

- High-quality nitrile protective gloves (chemical and paint protection) with a material thickness of 0.2mm and a total length of approx. 30cm (tip of the middle finger to the cuff edge), for single-use only;
- Best possible skin protection, especially during painting jobs as well as for processing chemicals, varnishes, paints and solvents
- Increased chemical protection (DIN 374-2 + 374-3), improved tear strength (DIN EN 388)
- Latex, silicone and powder-free, antistatic (EN 1149) and conductive (EN 61340-5-1)
- Excellent tactile sensitivity due to a special fingertip structure; safe grip and non-slip properties due to effective micro-textured fingertips
- Outstanding wearing comfort, perfect fit, skin-friendly material
- Easy and clean to remove from the convenient dispenser box

The gloves excel in electrostatic conductive characteristics. Ultimately, the results of various field tests emphasize their durability when in contact with solvents, their high tear strength as well as their user-friendly total length of approx. 30cm (tip of the middle finger to the cuff edge).

SIZES AND OTHER UNITS

Sizes	S, M, L, XL, 2XL, 3XL
Packaging	1 box = 50 pcs.
Weight	1 box = 0,70 kg
Colour	anthracite



Implementation of harmonised standards according to PPE regulation (EU) 2016/425 in progress

Hand Protection

FIDI NITRILE BLACK Gloves

This product is a standard-quality protective glove made of 100% synthetic nitrile. It presents excellent tactile sensitivity due to a special fingertip structure as well as a safe grip due to effective micro-textured fingertips.

The gloves protect effectively against oils, liquids, dirt particles, dust etc.

They are antistatic, silicone and powder-free. In addition to this, they do not contain any latex-proteins which might cause allergic reactions and skin irritations.



FIELDS OF USE

- Industrial and crafts sectors
- Cleaning and maintenance sector
- Research and development laboratories
- Chemical industry
- Electronic and computer industry
- Food industry
- Body shops
- Shop floors
- Protection of goods



CHARACTERISTICS

- Good-quality nitrile protective gloves with a material thickness of 0.10mm and a total length of approx. 24cm (tip of the middle finger to the cuff edge), for single-use only;
- Tear-resistant, quality level certified AQL 1.5
- Latex, silicone and powder-free, antistatic
- Excellent tactile sensitivity due to a special fingertip structure; safe grip and non-slip properties due to effective micro-textured fingertips
- Outstanding wearing comfort, perfect fit, skin-friendly material
- Easy and clean to remove from the convenient dispenser box

SIZES AND OTHER UNITS

Sizes	S, M, L, XL, XXL
Packaging	1 box = 100 pcs.
Weight	1 box = 0,60 kg
Colour	black



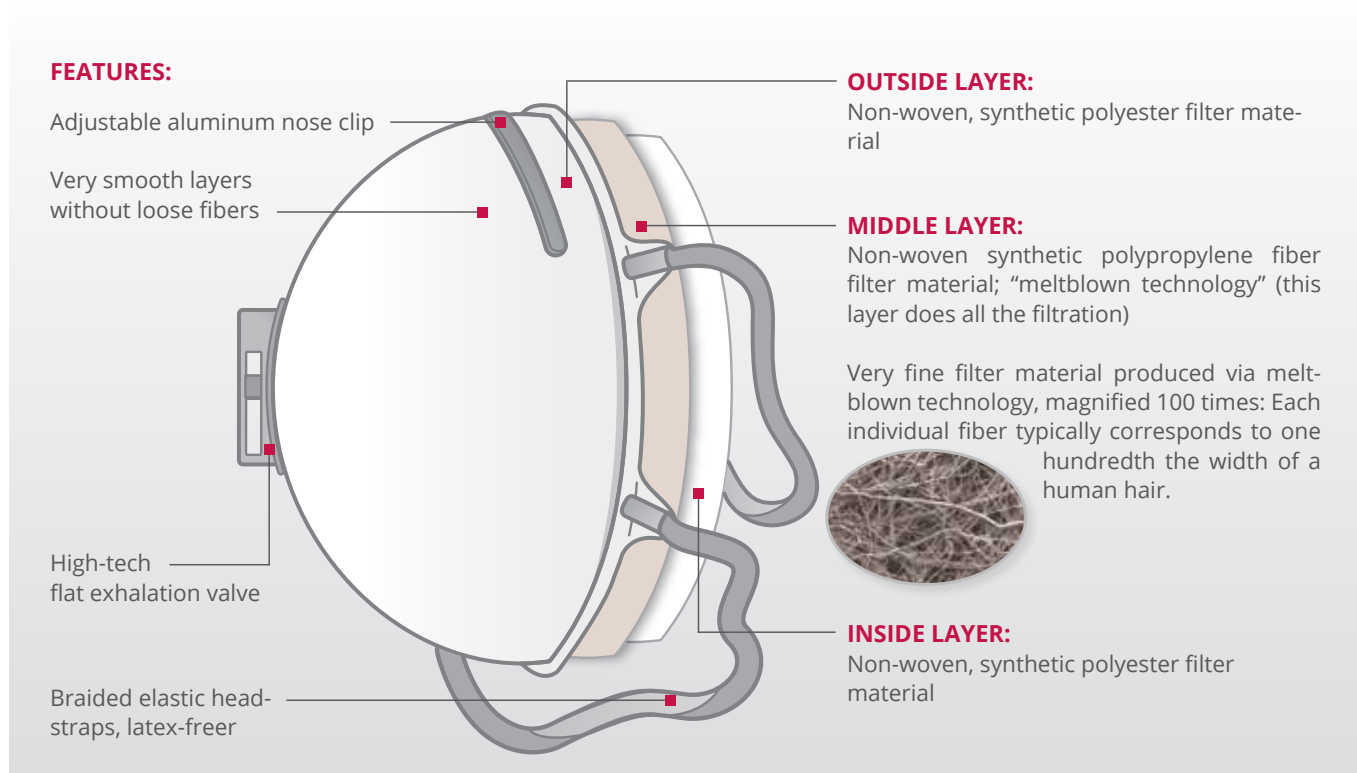
Implementation of harmonised standards according to PPE regulation (EU) 2016/425 in progress

Personal Protective Equipment

RESPIRATORY PROTECTION AND EQUIPMENT



Respiratory Protection and Equipment



NORTHSHIELD "Advanced", particulate respirator #2100 FFP1 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- No exhalation valve, with braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work

Item#	Description	Packaging Unit
1202100	NORTHSHIELD "Advanced" particulate respirator #2100 FFP1 NR cone-style, no exhalation valve	1 box = 20 pcs. 1 carton = 12 boxes = 240 pcs.

NORTHSHIELD "Advanced", particulate respirator #2200 FFP2 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- No exhalation valve, with braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1202200	NORTHSHIELD "Advanced" particulate respirator #2200 FFP2 NR cone-style, no exhalation valve	1 box = 20 pcs. 1 carton = 12 boxes = 240 pcs.

NORTHSHIELD "Advanced", particulate respirator #2210 FFP2 NR

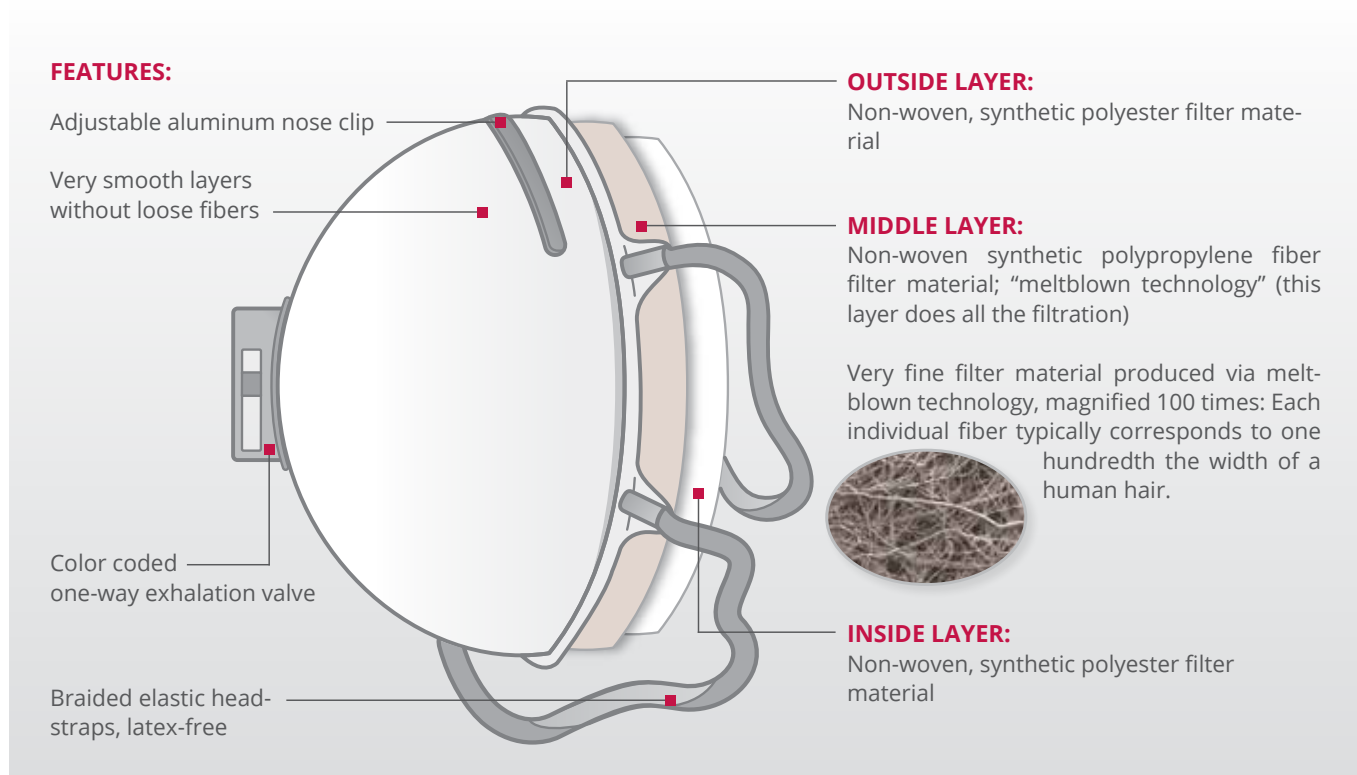
EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- High-tech flat exhalation valve (white), with braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1202210	NORTHSHIELD "Advanced" particulate respirator #2210 FFP2 NR cone-style, white exhalation valve	1 box = 20 pcs. 1 carton = 12 boxes = 240 pcs.

Respiratory Protection and Equipment



●
FFP1 NR
#0100
NO VALVE

●
FFP1 NR
#0110
YELLOW

●
FFP2 NR
#0210
ORANGE

●
FFP3 NR
#0310
RED



E-D-PROTECT "Basic", particulate respirator #0100 FFP1 NR EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- No exhalation valve, with braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work

Item#	Description	Packaging Unit
1200100	E-D-PROTECT "Basic" particulate respirator #0100 FFP1 NR cone-style, no exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

E-D-PROTECT "Basic", particulate respirator #0110 FFP1 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- Clear identification of protection level due to color coded exhalation valve (yellow), with braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1200110	E-D-PROTECT "Basic" particulate respirator #0110 FFP1 NR cone-style, yellow exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

E-D-PROTECT "Basic", particulate respirator #0210 FFP2 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- Clear identification of protection level due to color coded exhalation valve (orange), with braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1200210	E-D-PROTECT "Basic" particulate respirator #0210 FFP2 NR cone-style, orange exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

E-D-PROTECT "Basic", particulate respirator #0310 FFP3 NR

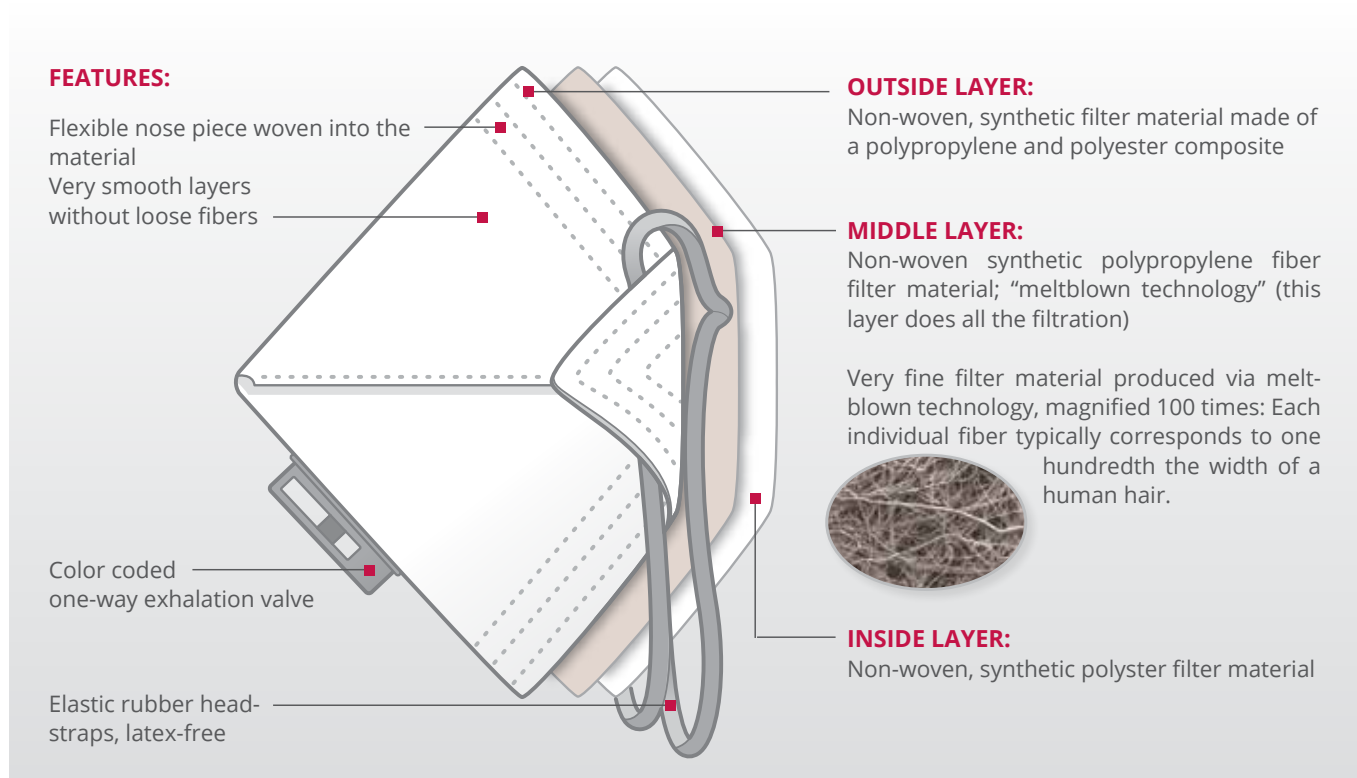
EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable filtering respirator, cone-style body, made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- Clear identification of protection level due to color coded exhalation valve (red), with gray inner face seal and braided elastic head-straps; nose clip made of aluminum
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1200310	E-D-PROTECT "Basic" particulate respirator #0310 FFP3 NR cone-style, gray inner face seal, red exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

Respiratory Protection and Equipment



FFP1 NR
#1100
YELLOW



FFP2 NR
#1200
ORANGE



FFP3 NR
#1300
RED



E-D-PROTECT "Flat", particulate respirator #1100 FFP1 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable horizontally flat-folded filtering respirator made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- Clear identification of protection level due to color coded exhalation valve (yellow), with latex-free elastic rubber head-straps; concealed aluminum nose piece embedded into polypropylene layers
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work

Item#	Description	Packaging Unit
1201100	E-D-PROTECT "Flat" particulate respirator #1100 FFP1 NR single packed, flat-folded (horizontal), yellow exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

E-D-PROTECT "Flat", particulate respirator #1200 FFP2 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable horizontally flat-folded filtering respirator made of high-quality materials
- Designed for effective protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- Clear identification of protection level due to color coded exhalation valve (orange), with latex-free elastic rubber head-straps; concealed aluminum nose piece embedded into polypropylene layers
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1201200	E-D-PROTECT "Flat" particulate respirator #1200 FFP2 NR single packed, flat-folded (horizontal), orange exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

E-D-PROTECT "Flat", particulate respirator #1300 FFP3 NR

EN 149:2001 + A1:2009, CE 0194 compliant

- Disposable horizontally flat-folded filtering respirator made of high-quality materials
- Designed for reliable protection against non-toxic fine dust particles and fibers as well as solid and water-based aerosols only
- Clear identification of protection level due to color coded exhalation valve (red), with latex-free elastic rubber head-straps; concealed aluminum nose piece embedded into polypropylene layers
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- For use in the industrial and crafts sectors as well as for DIY work



Item#	Description	Packaging Unit
1201300	E-D-PROTECT "Flat" particulate respirator #1300 FFP3 NR single packed, flat-folded (horizontal), red exhalation valve	1 box = 10 pcs. 1 carton = 12 boxes = 120 pcs.

Respiratory Protection and Equipment



Warnings: E-D-PROTECT “Basic” and “Flat” particulate respirators

1. E-D-PROTECT respirators comply with the requirements of EN149:2001 (FFP1 NR, FFP2 NR, FFP3 NR).
2. These filtering respirators are designed for applications involving fine non-toxic dusts and fibers at the workstation
3. They are designed to protect the user from solid and water-based aerosols only.
4. This product does NOT protect the wearer against gases, vapors or mists whose liquids produce harmful vapors or gases.
5. Do NOT use this product in sandblasting operations.
6. This product does NOT supply oxygen. Use this respirator only in well-ventilated areas containing sufficient oxygen (at least 19.5%) to support life.
7. These respirators can only be used in concentrations of contaminants up to 4 times (FFP1 NR), 10 times (FFP2 NR), 20 times (FFP3 NR) the Occupational Exposure Limits (OEL) in workstation air.

PROTECTION LEVEL	maximum concentrations of contaminants in workstation air
FFP1 NR	up to 4 times the OEL ⁽¹⁾
FFP2 NR	up to 10 times the OEL ⁽¹⁾
FFP3 NR	up to 20 times the OEL ⁽¹⁾

⁽¹⁾ OEL = Occupational Exposure Limit

8. The respirator must NOT be used when contaminant and/or the concentration are unknown or immediately dangerous to life and health.
9. Replace a respirator when the breathing resistance becomes excessive due to dust or mist loading or after a maximum of 8-hour usage. These particulate respirators are for SINGLE USE only.
10. The material should NOT act as an ignition source. Still, the respirators should NOT be used in explosive atmospheres at all.
11. When not in use, the respirator must be stored in a tightly sealed container AWAY from contaminated working areas.



Important Note:

The following table presenting relevant fields of respirator filter application has been prepared to the best of our knowledge and contains suggestions ONLY. We explicitly would like to point out that it is obligatory to send a request describing exactly the products involved in the intended application in order to obtain detailed advice on the respirator's suitability.

Non-binding suggestions for application of E-D-PROTECT particulate respirators FFP1 NR, FFP2 NR, FFP3 NR

FIELD OF APPLICATION	PROTECTION LEVEL FFP1 NR	PROTECTION LEVEL FFP2 NR	PROTECTION LEVEL FFP3 NR
Sanding/cutting/drilling			
Rust	X	X	X
Cement		X	X
Putty/Filler	X	X	X
Brick/Concrete	X	X	X
Hardwood		X	X
Softwood		X	X
Paints/Varnishes		X	X
Anti-Corrosion Coating		X	X
Antifouling Paints			X
(Stone)Concrete Dust/Quartz below TLV ⁽²⁾	X	X	X
(Stone)Concrete Dust/Quartz above TLV ⁽²⁾		X	X
Iron Dust	X	X	X
Steel Dust, highly alloyed			X
Cobalt/Beryllium Dust			X
Coolant Mist		X	X
Welding			
Welding Fumes, non-alloy		X	X
Welding Fumes, highly alloyed			X
Welding Fumes, Zinc		X	X
Soldering			X
Asbestos			X
Processing of Glass and Mineral Fiber		X	X
Cleaning			
Dust	X	X	X
Cleaning Solvent/Benzine/Nitro-Cellulose Combination Thinner			
Spraying			
Synthetic Resin Varnish (Synthetic Paints)			
Isocyanate, solvent-based			
Emulsion Paints (Latex Paint)			
Pesticides, water-based solution		X	X
Pesticides, organic/vaporizing			
Varnishing/Painting			
Solvent-based Paints			
Water-miscible Paints (solvent-based)			
Water-based Paints			
Paint Removing			
Ammoniacal			
Taping			
Solvent-based			
Processing of			
Sulfur Oxide			
Hydrogen Chloride – Metal Etching			
Hydrogen Chloride – Cleaning with Acid			
Mold/Fungi		X	X
Bacteria		X	X
Diesel Soot/Fumes		X	X
Liquid Manure (Slurry)/Ammonia			

⁽²⁾ TLV = threshold limit value

Respiratory Protection and Equipment



E-D-HALF-MASK-RESPIRATOR FFA2/P2R, disposable

EN 140:2002, EN 14387:2004 + A1:2008, CE 0120 compliant

- Maintenance-free and comfortable twin filter half mask, ready to use; available in two sizes (M, L)
- Designed for effective protection against dust, solvents and organic vapors or gases e. g. during spray painting, in paint mixing rooms and workshops or in laboratories
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- The set includes: 1 face piece with a fixed filter system (2 gas & vapor cartridges, 2 particulate filters, 2 retainers) and 1 resealable plastic bag for short-term storage

Item#	Description	Packaging Unit
1282000	E-D-HALF-MASK-RESPIRATOR FFA2/P2R, disposable, size M	1 bag = 1 set 1 carton = 12 bags = 12 sets
1283000	E-D-HALF-MASK-RESPIRATOR FFA2/P2R, disposable, size L	1 bag = 1 set 1 carton = 12 bags = 12 sets



E-D-HALF-MASK-RESPIRATOR FFA2/P2R, reusable

EN 140:2002, EN 14387:2004 + A1:2008, CE 0120 compliant

- Low-maintenance, simple to handle and comfortable twin filter half mask; available in two sizes (M, L)
- Designed for effective protection against dust, solvents and organic vapors or gases e. g. during spray painting, in paint mixing rooms and workshops or in laboratories
- Comfort fit, low breathing resistance, skin-friendly and lightweight
- The set includes: 1 face piece with a replaceable filter system (2 gas & vapor cartridges, 2 particulate filters, 2 retainers) and 1 resealable plastic bag for storage

Item#	Description	Packaging Unit
1209211	E-D-HALF-MASK-RESPIRATOR FFA2/P2R, reusable, size M	1 bag = 1 set 1 carton = 12 bags = 12 sets
1209311	E-D-HALF-MASK-RESPIRATOR FFA2/P2R, reusable, size L	1 bag = 1 set 1 carton = 12 bags = 12 sets



Gas & Vapor Filter A2 for reusable E-D-HALF-MASK-RESPIRATORS

EN 140:2002, EN 14387:2004 + A1:2008, CE 0120 compliant

- Gas & vapor filter cartridges (activated carbon) obligatory for use with the reusable E-D-HALF-MASK-RESPIRATOR; set of 2 pieces, protection level A2
- Easy to attach to and remove from respirator face piece
- Filter units, bayonet filter fixing system and retainers are not suitable for face pieces from other manufacturers

Item#	Description	Packaging Unit
1208701	Gas & Vapor Filter A2 for reusable E-D-HALF-MASK-RESPIRATORS size M / L	1 bag = 1 pair = 2 pcs. 1 carton = 30 bags = 60 pcs.

Particulate Filter P2 or P3 for reusable E-D-HALF-MASK-RESPIRATORS

EN 140:2002, EN 14387:2004 + A1:2008, CE 0120 compliant

- Particulate filter obligatory for use with reusable E-D-HALF-MASK-RESPIRATORS; set of 2 pieces, protection level P2 or P3
- Easy to attach to and remove from respirator face piece
- Filter units, bayonet filter fixing system and retainers are not suitable for face



Item#	Description	Packaging Unit
1208711	Particulate Filter P2 for reusable E-D-HALF-MASK-RESPIRATORS sizes M / L	1 box = 10 pcs. 1 carton = 10 boxes = 100 pcs.
1208712	Particulate Filter P3 for reusable E-D-HALF-MASK-RESPIRATORS sizes M / L	1 box = 10 pcs. 1 carton = 10 boxes = 100 pcs.

Retainer for reusable E-D-HALF-MASK-RESPIRATORS

- Transparent plastic covers for fixing the particulate filter P2 or P3 securely to the gas & vapor filter cartridges A2 for reusable E-D-HALF-MASK-RESPIRATORS
- Easy to attach to and remove from gas & vapor filter cartridges A2
- Filter units, bayonet filter fixing system and retainers are not suitable for face pieces from other manufacturers



Item#	Description	Packaging Unit
1208772	Retainer for reusable E-D-HALF-MASK-RESPIRATORS sizes M / L	1 carton = 20 pcs.



Important Note:

We highly recommend to always wear a suitable respirator – even for small and/or short-term paint jobs. Regardless of whether you apply solvent or water-based paints. Also, protect yourself when cleaning and maintaining the spray gun.

We bring together what belongs together: service, quality and reliability.

At DREFI we present the brands DREHKOPF and FIDI as well as our new brand NORTHSHIELD.

We pool resources and competencies, focused on our customers. All in order to continue offering products of highest standards.



NORTHSHIELD®
A DREFI BRAND

High-grade and adequate personal protective equipment for various working environments and – compliant to all relevant standards, risk-reducing, safe.



DREHKOPF®
A DREFI BRAND

High-quality paint accessory products for various fields of application in all industrial and crafts sectors – performance-minded, straightforward, effective and user-friendly.



FIDI®
A DREFI BRAND

Machinery and equipment for highest demands in all areas of solvent recycling, waste water treatment, processing process water as well as cleaning spray guns and tools – professional, cost-efficient, sustainable.

DREFI Drehkopf & FIDI GmbH

Brauerstrasse 38
21244 Buchholz i.d.N.
Germany

t +49 4181 92 30 3
f +49 4181 92 30 40
e info@drefi.de

www.drefi.de