



A sustainable world of protection

# Made for workers, inspired by people.

**Occupational health and safety are among the pillars of the RadiciGroup sustainability strategy**, reinforced by a strong commitment to environmental preservation.

In the context of this strategy, the Group created the Radipeople Personal Protective Equipment (PPE) line in 2020, during the height of the COVID-19 pandemic, in order to respond with certified products and equipment to the need for personal protection of medics and health personnel.

In a short period of time, RadiciGroup, supported by its multi-year experience in the field of nonwovens and its well-established knowledge of material chemistry, was able to **reorient and optimize its know-how to the production and sale of personal protective equipment** for a diverse mix of industries: construction, agriculture, oil & gas, chemical, pharmaceutical and food.

## What's included in the new PPE line?



**Coveralls and gowns** with different levels of protection according to the intended use.



Accessories such as **boots or shoe covers, hoods and caps.**



**Sustainable coveralls made of monomaterial** to ensure end-of-life recyclability.

**Made in Italy**

## Traceability and circularity.

The company joined the International Sustainability and Carbon Certification **ISCC Plus** scheme, a traceability certification for circular materials that is issued by applying the mass balance approach.



RadiciGroup personal protective equipment is the result of strict selection of raw materials along the entire value chain and strict control of end product quality: choosing to wear a Radipeople protective garment means **selecting product and system sustainability combined with maximum comfort and technical performance.**

## The importance of the EC marking.

**The products in the Radipeople line are entirely tailored and made in Italy and are in conformity with the criteria and the six types of Category III chemical protective clothing defined by the European Union.**

EC certification ensures that our coveralls provide protection against external agents (exposure to gas and liquids under pressure, as well as dust), while guaranteeing the maximum performance of the fabrics, stitching and taped seams.

# Safety: a type for each need.






What criteria should be adopted to select the right protection?

Below is a summary of the European standards for chemical protective garments.

## Category III chemical protective clothing

Type	Standard and year	Definition and level of exposure
 Type 1 Type 1 - ET	EN 943-1:2019** EN 943-2:2019	Gas tight. Type 1: Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles. Type 1 - ET: Performance requirements for emergency teams..
 Type 2	EN 943-1:2019**	Non-gas-tight. Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particulates.
 Type 3	EN 14605:2005/A1:2009	Liquid tight. Protective clothing against liquid chemicals. Exposure to pressurized jets of liquid.
 Type 4	EN 14605:2005/A1:2009	Spray tight. Protective clothing against liquid chemicals. Exposure to liquid aerosols (unpressurized).
 Type 5	EN ISO 13982-1:2004/A1:2010	Solid particulates. Protective clothing against solid airborne particulates.
 Type 6	EN 13034:2005/A1:2009	Limited protective performance against liquid chemicals. Potential exposure to low-volume spray/mist or accidental low-volume splashes, and where wearers are able to take timely adequate action in case of contamination.

## Other relevant standards

Pictogram	Standard and year	Definition
 	EN 1149-5:2018	Protective clothing with electrostatic properties. Material performance and design requirements.
 	EN 1073-2 :2002	Protective clothing against radioactive contamination.
 	EN ISO 14116:2008	Protective clothing with protection against heat and flame. Limited flame spread materials, material assemblies and clothing. Three "Indexes" (levels) of protection are defined. Index 1 performance: single use and no pre-cleaning or laundering. Index 1 materials limit flame spread, but will melt and must always be worn on top of Index 2 or 3 garments.
 	EN 14126:2003	Protective clothing (fabrics) against infective agents (indicated by a "B", e.g., Type 3-B) and comprising several fabric protection test methods.
 	EN ISO 20471:2013	High-visibility clothing - Test methods and requirements.

# Comfort and Safety for effective protection.

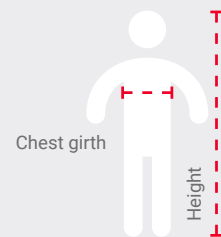
**Workers can potentially be exposed to a multitude of hazards: from exposure to asbestos and paints to biological and chemical hazards.** Thus, in selecting optimum protective clothing, one must consider many interactive factors that combine to influence a garment's effectiveness and its wearability in "real life" exposure situations.

Additionally, Radipeople garments help to protect products and processes (e.g., in the food industry) against potential human contamination by workers. It is important to **choose the right size** to achieve the maximum comfort and **follow the correct procedure in safely donning and doffing** Radipeople garments.

## How to choose the right size and cut

**Fabric performance is critical, as is the integrity of the garment itself.**

Therefore, choosing the correct garment size could significantly affect comfort and ease of use.



Size	S	M	L	XL	2XL	3XL
Height (cm)	164 - 170	167 - 176	174 - 181	179 - 187	186 - 195	194 - 200
Chest girth (cm)	86 - 94	94 - 104	102 - 110	110 - 118	118 - 126	126 - 134

## How to use protective equipment correctly

Knowledge of how to don and doff a protective garment is crucial to ensure total protection.

### Donning

1.



2.



3.



4.



### Doffing

1.



2.



3.



4.



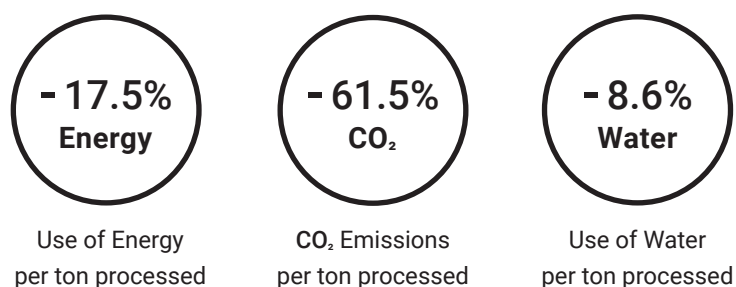
# RadiciGroup. Inside your world.

RadiciGroup is one of the most active Italian chemicals manufacturers at an international level. RadiciGroup's diversified businesses operate worldwide and are focused on Specialty Chemicals, High Performance Polymers, Advanced Textile Solutions. Synergistic vertical integration, of polyamide production in particular, is one of RadiciGroup's strengths. Indeed, the Group has total control over its production chain, from chemical intermediates, such as adipic acid, to polyamide polymers, engineering polymers and synthetic fibres. RadiciGroup products are exported all over the world for use in the following sectors: apparel, sports, furnishings, automotive, electrical/electronics and household appliances.

## Sustainability

Every day at RadiciGroup we work to make circularity our business model. We optimize the use of materials while fine-tuning our processes, eliminating waste, promoting recyclability from the earliest product design phases. We are always looking for low-impact solutions in terms of natural resources and energy. We rely on certified management systems for Safety, Environment and Energy to keep our companies in line with the highest sustainability standards.

### Last 10 years' milestones:



Data Source: RadiciGroup Sustainability Reports



TESSITURE PIETRO RADICI SPA  
Via Ugo Foscolo, 152 - 24020 Gandino (BG) - IT  
Tel. +39 035 715911 - Fax +39 035 715999  
[www.radicigroup.com](http://www.radicigroup.com)  
[tessitureradici@radicigroup.com](mailto:tessitureradici@radicigroup.com)

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