

ENMED® ENM - 710 Series Protective Particulate Respirators

The ENM - 710 Series Particulate Respirators provide effective respiratory protection for use in industries where workers will be exposed to dust particles and/or non-volatile liquid particles.

- Tested and CE Approved to EN 149:2001+A1:2009
- Fold design enables product to be easily stored when not in use
- Diamond-shaped front allows the respirator to maintain its shape in hot humid environments
- Single loop strap allows easy adjustment on the face and head
- Exhalation valve offers improved comfort in hot humid environments and/or where work is hard and physical (K111, K112 and K113 models only).



MATERIALS

• Straps	Thermoplastic Elastomer
• Nose Clip	Steel / Plastic
• Filter	Polypropylene
• Valve*	Polypropylene
• Valve diaphragm*	Polyisoprene
• Nosefoam**	Polyurethane

These products do not contain components made from natural rubber latex.

Approvals

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked. Certification under Article 10.

STANDARDS

These products meet the requirements of recently amended European Standard EN149:2001 + A1:2009, filtering facepiece respirators for use against particles. They should be used to protect the wearer from solid and non-volatile liquid particles only.

Products are classified by filtering efficiency and maximum total inward leakage performance (FFP1, FFP2 and FFP3), also by usability and clogging resistance.

Performance tests in this standard include filter penetration; extended exposure (loading) test; flammability; breathing resistance and total inward leakage. Reusable products are also subjected to cleaning, storage and mandatory clogging resistance tests

(clogging is optional for non reusable products). A full copy of EN 149:2001+A1:2009 can be purchased from your national standards body.

Designations:

R = Reusable

NR = Non reusable (single shift use only)

D = Meets the clogging resistance requirements

Applications

These respirators are suitable for use in concentrations of solid and non-volatile liquid particles up to the following limits:

Model	EN 149+A1 Classification	Exhalation Valve	Threshold Limit Value, TLV
ENM - 711	FFP1 NR	Unvalved	4
ENM - 711-10	FFP1 NR	Valved	4
ENM - 712	FFP2 NR	Unvalved	12
ENM - 712-10	FFP2 NR	Valved	12
ENM - 713	FFP3 NR	Unvalved	50
ENM - 713-10	FFP3 NR	Valved	50

FILTERING MASK PERFORMANCES

Classification	Penetration of Filter Material by an Aerosol (the following filter penetration parameters shall not be exceeded) Test aerosol made of Sodium chloride - Paraffin oil 95l/min % Max.	Maximum Permitted Breathing Resistance applicable to both valved and valless filtering half-masks (mbar)		
		Inhalation flow		Exhalation flow
		30 l/min	95 l/min	
FFP1	20 %	0,6	2,1	3,0
FFP2	6 %	0,7	2,4	
FFP3	1 %	1,0	3,0	

SELECTION GUIDE

		FFP1	FFP2	FFP3	Organic Vapour	Acid Gas	Welding
Painting, Varnishing, Spraying, Coating, Mixing	Solvent-Based - brush / roller applied			•	•		
	Solvent-Based - spray applied						
	Water-Based - brush / roller / spray applied			•	•		
	Wood Preservatives			•	•		
	Powder Coating			•			
Sanding, Stripping, Grinding, Cutting, Drilling	Rust, most Metals, Filler, Concrete, Stone	•					
	Cement, Wood, Steel,		•				
	Paints, Varnish, Anti-rust coating		•				
	Stainless Steel, Anti-fouling varnish			•			
	Resins, Reinforced plastics (carbon / glass fibre)		•	•			
Construction / Maintenance	Scabbling, Shot-creting (concrete dust)	•	•	•			
	Plastering, Rendering, Cement mixing	•	•	•			
	Demolition	•	•				•
	Groundwork, Earth moving, Piling, Underpinning		•	•			
	Spray foam, Loft Insulation		•	•			
Metal working / Foundries	Welding, Soldering		•	•			•
	Electro-plating		•	•		•	
	Finishing, Slotting, Drilling, Riveting, Machining		•	•			
	Oxyacetylene cutting		•	•			
	Molten metal handling, Smelting		•	•		•	
Cleaning / Waste Removal	Disinfection, Cleaning		•	•	•	•	
	Waste removal		•	•	•		
	Asbestos handling			•			
	Asbestos removal						
Allergens / Biohazards	Pollen, Animal dander	•					
	Mould / Fungus, Bacteria**, Viruses		•	•			
	**Tuberculosis			•			
	Diesel exhaust / Smoke		•				
Agriculture / Forestry	Handling infected animals, Culling		•	•	•		
	Feeding livestock, Cleaning sheds / harvesters	•	•	•			
	Straw chopping, Composting, Harvesting		•	•			
	Pesticides, Insecticides (crop spraying)		•	•	•		
Mining / Quarrying	Tunnelling, Drilling, Grinding, Excavation		•	•			
	Pumping, Dredging, Washing		•	•			
	Cutting, Sawing		•	•			
	Changing Filters		•	•			
Other Industrial Applications	Inks, Dyes, Solvents, Chemicals		•	•	•		
	Powdered Additives / Chemicals		•	•	•		
	Pharmaceuticals		•	•	•		
	Rubber / Plastics processing		•	•	•		
	Oil and Gas Extraction / Processing		•	•	•	•	•
	Pottery, Ceramics			•			
	Wood / Paper Mills		•	•			

This selection guide is only an outline designed to focus on products which may be appropriate for typical applications - it should not be used as the only means of selecting a product. Selection of the most appropriate personal protective equipment (PPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the assessed risks, actual working conditions and limitations of PPE. Details regarding performance and limitations are set out on the product packaging and user information. If in doubt, contact a safety professional or ENMED.

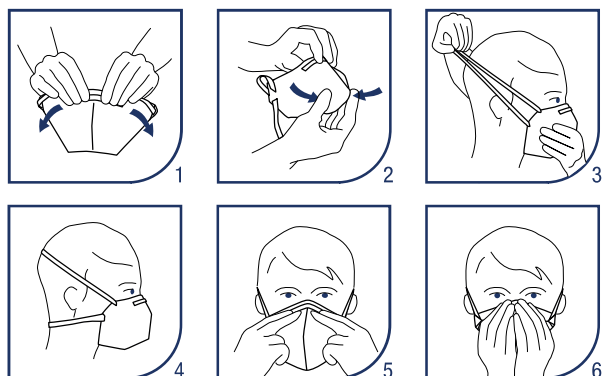
For respiratory training and advice please contact your ENMED representative.

STORAGE AND DISPOSAL

- Store in dry, clean conditions in original packaging, away from direct sunlight, sources of high temperature, and solvent vapours
- Store within the temperature range -5°C to +25°C and with relative humidity below 80%
- Expected shelf life is three years from date of manufacture when stored as stated
- Replace garments if damaged, heavily contaminated or in accordance with local work practice or regulations
- Handle and dispose of contaminated garments with care and in accordance with applicable regulations.

FITTING INSTRUCTIONS

1. With the respirator closed, shape the nosepiece as shown.
2. Open respirator, press in the central front panel and pinch the two points together as shown.
3. Cup respirator in one hand with open side towards face. Take both straps in other hand. Hold respirator under chin, with nosepiece up, and pull straps over head.
4. Locate the upper strap across the crown of the head and the lower strap below the ears. Straps must not be twisted.
5. Using both hands, mould noseclip to the shape of the lower part of the nose to ensure a close fit and good seal. Pinching the noseclip using only one hand may result in less effective respirator performance.
6. The seal of the respirator on the face should be fit-checked before entering the workplace.



FIT CHECK

1. Cover the front of the respirator with both hands being careful not to disturb the fit of the respirator.
2. (a) UNVALVED respirator - EXHALE sharply;
(b) VALVED respirator - INHALE sharply.
3. If air leaks around the nose, re-adjust the noseclip to eliminate leakage. Repeat the above fit check.
4. If air leaks at the respirator edges, work the straps back along the sides of the head to eliminate leakage. Repeat the above fit check.

If you CANNOT achieve a proper fit DO NOT enter the hazardous area. See your supervisor.

WARNINGS AND LIMITATION OF USE

1. Always be sure that the complete product is: Suitable for the application; Fitted correctly; Worn during all periods of exposure; Replaced when necessary.
2. Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer from certain airborne contaminants.
3. Failure to follow all instructions on the use of these respiratory protection products and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearer's health, lead to severe or life threatening illness or permanent disability.
4. For suitability and proper use follow local regulations, refer to all information supplied or contact a safety professional.
5. Before use, the wearer must be trained in use of the complete product in accordance with applicable Health and Safety standards.
6. These products do not contain components made from natural rubber latex.
7. These products do not protect against gases/vapours.
8. Do not use in atmospheres containing less than 19.5% oxygen. (Individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt).
9. Do not use for respiratory protection against atmospheric contaminants/ concentrations which are unknown or immediately dangerous to life and health (IDLH).
10. Do not use with beards or other facial hair that may inhibit contact between the face and the product thus preventing a good seal.
11. Leave the contaminated area immediately if:
 - a) Breathing becomes difficult.
 - b) Dizziness or other distress occurs.
12. Discard and replace the respirator if it becomes damaged, breathing resistance becomes excessive or at the end of the shift.
13. **Never alter, modify or repair this device.**