

Guide to European Norms and Selection Guide







To assist you with the selection of chemical protective clothing the EU has developed six “types” of chemical protective clothing.

Certification to a particular type offers an indication of your suits protection against a particular hazard (gas, liquid or dust). As a manufacturer it is our responsibility to ensure that MICROGARD® and MICROCHEM® products meet the requirements of these type standards, where applicable.

Please be aware that conformance to these types standards does not mean that your suit is 100% impervious to your hazard. Under this testing, suits are only required to meet the minimum performance requirements specified. In the case of the Type 5 particulate test, suits are allowed individual leakages of up to 30%, providing the average for the suits tested is less than 15%.







Microgard Limited manufacture products according to ISO 9001, thus ensuring as far as is reasonably possible they consistently achieve the desired protection level. For more information visit www.microgard.com

Current European “Types” of Chemical Protective Clothing

EN “Types”	Definition	Symbol*
EN 943-1 & 2 “Type 1”	Gas Tight Chemical Protective Clothing Protective clothing against liquid and gaseous chemicals, aerosols and solid particulates	 TYPE 1
EN 943-1 “Type 2”	Non Gas Tight Chemical Protective Clothing Suits which retain positive pressure to prevent ingress of dusts, liquids and vapours	 TYPE 2
EN 14605 “Type 3”	Liquid Tight Suits Suits which can protect against strong and directional jets of liquid chemical	 TYPE 3
EN 14605 “Type 4”	Spray Tight Suits Suits which offer protection against saturation of liquid chemicals	 TYPE 4
EN ISO 13982-1 “Type 5”	Dry Particulate Protection Suits which provide protection to the full body against airborne solid particulates	 TYPE 5
EN 13034 “Type 6”	Reduced Spray Suits Suits which offer limited protection against a light spray of liquid chemicals	 TYPE 6

Disclaimer
MICROGARD®/MICROCHEM® garments are available for most applications. However please note that a detailed assessment of the nature of the hazard and the working environment should be undertaken prior to the selection of appropriate PPE. Microgard Ltd provides the information in this product catalogue to assist you with selecting the correct product, but responsibility for the correct choice of PPE remains with the user.

Additional Standards achieved by the MICROGARD® product range

Standard	Definition	Symbol*
EN 1073-2**	Protective clothing against radioactive particulate contamination	 EN 1073-2
EN 14126	Protective clothing against infective agents (“Type” prefixed with “-B” [i.e. Type 3-B] indicates approval to this European Norm)	 EN 14126
EN 1149-1 EN 1149-5	Protective Clothing with electrostatic properties***	 EN 1149
DIN 32781	Protective Clothing. Protective suits against pesticides	 DIN 32781
EN ISO 14116	Protective Clothing Limited flame spread materials, material assemblies and clothing	 EN ISO 14116 INDEX 1.1007
EN 12941	Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood	 EN 12941

* Type approvals do not necessarily apply to accessories. Always refer to the garment label and instructions for use document which will indicate the protection level offered.

** Gives no protection against radioactive radiation

*** Always ensure the garment and wearer are properly grounded