

Gammex® PF XP™

Natural Rubber
Latex protective
glove

Extra protection for handling cytostatic agents



As the number of cancer patients rises, oncology nurses, pharmacists and other healthcare professionals are increasingly coming into contact with hazardous cytostatics. Their need for safe and comfortable gloves is ever more acute. Ansell has conducted extensive research into this area as part of its Ansell Cytostatic Permeation Programme (ACPP).

As a result Ansell has developed the Gammex® PF XP™ (extra protection) glove. Not only does the Gammex® PF XP™ glove provide a high level of impermeability, but its latex formulation also delivers low allergenicity, excellent comfort, flexibility and ease of use - features the glove shares with the rest of the renowned Gammex® gloves.

OPERATION
Opt!mal
PROTECTION

Ansell



Extra protection for cytostatic

Handling cytostatics safely

Due to the rising number of cancer cases and the increasing use of chemotherapy, laboratory workers are having more and more contact with hazardous cytostatic products.

As a worldwide leader in hand protection for healthcare practitioners, Ansell is committed to taking safety a step further. In collaboration with the Université Catholique de Louvain in Belgium, Ansell has participated in pioneering studies into glove permeation by cytostatic agents. This research has led to the development of a new product: the Ansell Gammex® PF XP™ (extra protection) glove, specifically designed to meet the safety requirements of cytostatics handling.

Exceptional latex comfort

Because of its latex formulation and Ansell's great attention to every aspect of design, the Gammex® PF XP™ glove feels like a second skin. It delivers comfort, elasticity, and sensitivity, plus a natural fit that helps prevent hand fatigue. All this contributes to increased user acceptance and more widespread protection.

Convenience and ease of use

The glove's indigo blue colour ensures that Gammex® PF XP™ is easily identified. Its surface is designed to secure safe handling of laboratory equipment. And the self-adhesive cuff band prevents the cuff from rolling down.

A polyurethane lining with hydrophilic and hydrophobic elements allows easy dry and damp hand donning.

Low allergenicity

The glove's very low protein content is achieved through protein and endogenous allergen reduction leaching (P.E.A.R.L) and postproduction washing cycles. Allergic contact dermatitis (type IV allergy) is lessened because the accelerator is completely consumed during the manufacturing process.

Ansell Cytostatic Permeation Programme (ACPP)

According to the World Health Organisation, between now and 2020 the cancer rate will rise by 50% to about 15 million new cases a year worldwide. This sharp increase will mainly be due to ageing populations, current smoking habits and growing numbers of people with unhealthy lifestyles. One of the most frequently used treatments for cancer is chemotherapy. Unfortunately it is well known that cytostatic agents are potentially hazardous for the

manipulator (pharmacist assistant, nurse and surgeon, etc.). Cytostatics are recognised to be mutagenic, carcinogenic and teratogenic. Other potential effects include decreased fertility, foetal malformation, abortion, extra-uterine pregnancy and high toxicity for certain organs.

To help address the risks of cytostatics to healthcare workers, Ansell has established the Ansell Cytostatic Permeation Programme. The ACPP has three goals:

- To contribute to better protection for healthcare personnel handling cytostatics
- To present results corresponding to real-life conditions or, better still, to worst-case scenarios (dynamic treatment and cytostatic concentration)
- To be innovative and bring very practical answers to our customers

For more information on the ACPP visit www.ansell.eu/medical

ction handling agents

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High standard of protection

In tests, the Gammex® PF XP™ withstands a selection of cytostatics for up to 60 minutes, even after exposure to ethanol (which can degrade latex and result in faster permeation rates)*. An optimised wall thickness – 10% thicker – and a low risk of pinholes (AQL 0.65) both help to reduce permeability. Moreover, in rigorous

Personal Protective Equipment (PPE) testing, the Gammex® PF XP™ is set to be certified to EN 420 and 374.

Studies performed in a static test situation and at room temperatures probably underestimate the permeation results. In a new dynamic test methodology** the test machine

mimics the dynamic movements of the hand and can be used with different acceptor media and temperatures.

* For full test results please consult the ACPP leaflet

** Developed at the Université Catholique de Louvain, Belgium, by Pierre Wallemacq and Bertrand Favier in close collaboration with Ansell.

Personal Protective Equipment by Ansell	natural rubber latex			
	sterile/handspecific			
	Gammex® PF XP™	Gammex® PF XP™ tested after alcohol desinfection	Gammex® PF XP™	Gammex® PF XP™ tested after alcohol desinfection
	Contact time 15 min		Contact time 30 min	
Carmustine	3	3	2	2
Cisplatine	6	6	3	3
Cyclophosphamide	6	6	5	4
Cytarabine	6	6	5	4
Docetaxel	6	6	5	5
Doxorubicin	6	6	6	5
Etoposide	6	6	6	6
5-Fluorouracil	6	6	6	6
Ifosfamide	5	5	4	4
Irinotecan	6	6	4	4
Methotrexate	6	6	6	6
Mitomycin C	6	6	6	6
Oxaliplatin	6	6	4	4
Paclitaxel	6	6	4	4
Thiotepa	6	6	5	5
Vinorelbine	6	6	6	6
Ganciclovir *	6	6	5	5

Key to Protection level

Level 1	Permeation detected above to 10 times below EN374-3 limit requirement
Level 2	Permeation detected 10 to 100 times below EN374-3 limit requirement
Level 3	Permeation detected 100 to 1.000 times below EN374-3 limit requirement
Level 4	Permeation detected 1.000 to 10.000 times below EN374-3 limit requirement
Level 5	Permeation detected 10.000 to 100.000 times below EN374-3 limit requirement
Level 6	> Permeation detected at least 100.000 times below EN374-3 limit requirement

or no permeation measured

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Packaging Gammex® PF XP™

6 x 40 pairs



Specifications

Size	Gammex® PF XP™
5.5	353111
6.0	353112
6.5	353113
7.0	353114
7.5	353115
8.0	353116
8.5	353117
9.0	353118

Part of the Gammex® PF range

Gammex® PF XP™ gloves are part of the well-established Gammex® PF surgical glove range from Ansell. It includes the Gammex® PF HydraSoft®, the glove with built-in hydration, the Gammex® PF Micro-Thin®, providing enhanced sensitivity and grip for micro-surgery,

the Gammex® PF Underglove for optimal double gloving, and the Gammex® PF IsoDerm® latex-free surgical glove. Ansell strives continuously to extend this superior quality range of surgical gloves, and further introductions are planned as glove technology advances.



The 'Micro-organism' pictogram is to be used when the glove conforms to at least a performance level 2 for the Penetration test.

EN374



The 'Low Chemical resistant' or 'Waterproof' glove pictogram is to be used for those gloves that do not achieve a breakthrough time of at least 30 minutes against at least three chemicals from the defined list, but which comply with the Penetration test.

EN374

Neither this document nor any other statement made herein by or on behalf of Ansell should be construed as a warranty of merchantability or that any Ansell product is fit for a particular purpose. Ansell assumes no responsibility for the suitability or adequacy of an end user's selection of gloves for a specific application.



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EN 374

Ansell

Ansell Limited is a global leader in barrier protective products. With operations in the Americas, Europe and Asia, Ansell employs more than 11,000 people worldwide and holds leading positions in the natural latex and synthetic polymer glove and condom markets. Ansell operates in three main business segments: Occupational Healthcare, supplying hand protection to the industrial market; Professional Healthcare, supplying surgical and examination gloves to healthcare professionals; and Consumer Healthcare, supplying condoms and consumer hand protection. Information on Ansell and its products can be found at <http://www.ansell.eu>

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