

Bennett Safetywear Limited

Premier Protection

BioPro®

Gloves

from

MAPA® PROFESSIONNEL

Active protection in hazardous situations

There are many professions requiring thousands of staff to perform handling operations which expose them to the daily risk of biological contamination in the event of a Blood Exposure Accident (BEA). A BEA is defined as being "any percutaneous exposure (needleprick, cut etc.) or contact of damaged skin or mucous with blood or a biological liquid tainted with blood."

BioPro® gloves, the construction:

The outer layer is made from thermoplastic elastomer. It protects the intermediary layer containing the disinfectant. It contains no natural latex nor vulcanisation agents.

The intermediary layer contains 5 to 10 grams of the disinfectant, evenly spread throughout the thickness of the layer. This solution is dispersed in the form of micro-drops (around 300 million per glove).

The inner layer is made from thermoplastic elastomer. It protects the intermediary layer containing the disinfectant and facilitates donning and doffing (microrelief coating). It contains no natural latex nor vulcanisation agents.



The effectiveness of the disinfectant: proven reduction in the risk of viral contamination

Reduction of the viral load in the event of a percutaneous accident has been validated under experimental conditions by means of in vivo and in vitro tests on model viruses of the Hepatitis C and AIDS viruses.

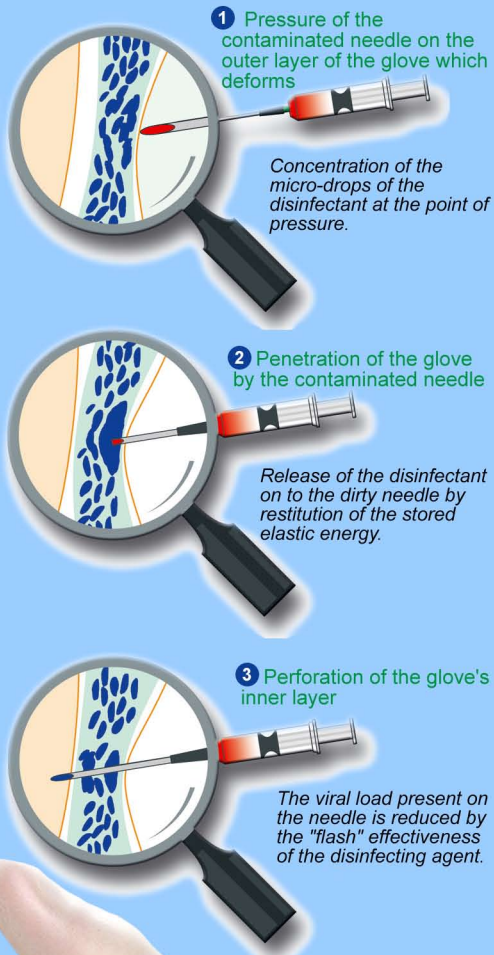
The results, published in the "Journal of Medical Virology" review in 2003, demonstrate a significant reduction of almost 80% in the number of virions transferred by needleprick compared to a glove of equivalent thickness without a disinfectant.

The BioPro® glove is effective against envelope viruses, particularly Hepatitis B and Hepatitis C, AIDS, herpes. The BioPro® glove is also effective in the event of cutaneous contact with viruses of this type.

A comprehensive technical file is available on request.

The Mechanism of action

The triple-layer structure of the BioPro® endows it with a unique mode of action enabling the disinfectant to be delivered to the point of penetration



BioPro® in action: active protection in high-risk situations

- Luggage checks, security and public order relations -

- Body searches -

