VIRUCIDAL AND BACTERICIDAL IMPREGNATION



TECHNOLOGY:

A biocidal formulation in the form of an aqueous solution of active substances, available for simple application by applying an active layer on the treated material, e.g. with a mechanical sprayer, while effectiveness is assumed for a single use.

MATERIALS FOR APPLICATION:

- adsorbent (hydrophilic) materials cotton, viscose, linen, wool and their mixtures with synthetic fibers
- non-adsorbent materials e.g. synthetic fibers such as polyesters, polyamides, polyolefins and non-woven fabrics (tested on a GPP2: General public protection respirator and a 3M 4440 disposable protective suit)

ADVANTAGES:

- cheap and easy production
- easy handling and storage
- toxicologically verified active substances
- non-toxic and non-irritating



TESTS:

Properties	Tests according to standarts	
Virucidal	1. ČSN ISO 18184:2020 protective clothing, from non-woven fabric polypropylene/polyethylene laminate	
	2. Textile - evaluation of antiviral effectivenes according to BS ISO 18184:2019 screening = cotton knitwear	
Baktericidal	ČSN ISO 20473:2022 – Measurements of antibacteral activity on plastics and other non-porous surfaces - screeining /AKTI	
Skin irritation	Determination of skin compatibility on humans, impregnated cotton fabric according to Cosmetic Product Test Guidelines for Assessment of Human Skin Compatibility, COLIPA, Bruxelles, 1997, The European Cosmetic, Toiletry and Perfumery Association	

TYPES OF POTENTIAL CUSTOMERS:

General public, hospitals, shopping malls, shops and services

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