



CO-ORDINATION OF NOTIFIED BODIES
PPE Regulation 2016/425

PPE-R/05.34-007
Version 02

RECOMMENDATION FOR USE

Number of pages: 2	Approval stage:	Approved on:
Origin: Vertical Group 5	<input checked="" type="checkbox"/> Vertical Group	16.06.2021
	<input checked="" type="checkbox"/> Horizontal Committee	01.10.2021
	<input checked="" type="checkbox"/> EU PPE Expert Group	18.11.2022
Question related to <input checked="" type="checkbox"/> PPE Regulation <input type="checkbox"/> PPE Guidelines	<input checked="" type="checkbox"/> EN/prEN: EN 13034:2005/ A1:2009	<input type="checkbox"/> Other:
Article:	Annex:	Clause:
Key words: Pre-treatment, liquid repellency and penetration		
Question: Can we align the part pre-treatment from EN 13034 prior to testing of liquid repellency and penetration with the existing agreement RfU PPE-R/05.21-022 (compare with EN 469)? EN 14325:2018 says: "4.2 Pre-treatment 4.2.1 Pre-treatment by cleaning and disinfection Before each test, all chemical protective clothing material samples, with the exception of limited-use chemical protective clothing, shall undergo pretreatment by cleaning and disinfection as applicable. If the manufacturer's instructions indicate that cleaning or disinfection is not allowed, i.e. limited use garments, then testing shall be carried out on new material. Where applicable according to manufacturer's instruction, the cleaning and disinfection shall be in line with the manufacturer's instructions, on the basis of standardized procedures. If the number of cleaning and disinfection cycles is not specified, the tests shall be carried out after 5 cycles of pretreatment, each consisting of one wash cycle, one dry cycle and one disinfection cycle carried out in the sequence as indicated by the manufacturer's instructions. This shall be reflected in the information supplied by the manufacturer. If the garment can be washed or alternatively dry-cleaned it shall only be washed, dried and disinfected. If only dry-cleaning is allowed, the garment shall only be dry-cleaned and disinfected in accordance with the manufacturer's instructions."		

Solution:

Yes, proposal for EN 13034: 4.12 (liquid repellency) and 4.13 (liquid penetration) and 5.2 (light spray test) (based on prEN 469:2019): testing after worst case:

Examples:

Recommendation UI	Pre-treatment worst case
Reimpregnation after third washing cycle	Two washing cycles no impregnation
Reimpregnation after 10th washing cycle	Testing after 9 washing cycles no impregnation
Reimpregnation after 25th washing cycle	Testing after 24 washing cycles no impregnation

Compare with the new prEN 469:2019 proposal:

"5.4 Deterioration of repellency by cleaning

Where the finishing, applied to improve or maintain the repellency for liquids resistance performance of the garment, can be deteriorated by the cleaning procedures indicated by the manufacturer, the manufacturer shall indicate the maximum number of cleaning cycles that can be carried out before the garment needs to be re-treated or re-impregnated to restore its performances.

Testing according to 6.2.2 shall be carried out before the cleaning cycle for which the manufacturer guarantees, "i.e. the chemical resistance performance". For example, if the instructions state "re-impregnation during each third cleaning cycle", tests shall be performed after the second cleaning cycle, i.e. before re-impregnation. If the instructions state "reimpregnation after each cleaning cycle", the tests shall be performed on new items."