

Uniform Permethrin Treatment Matrix

Uniform	Field Method			Factory		
	Aerosol	IDA	2-Gallon	Buzz-Off	Warmkraft	Propper
Current As Of 31 March 2009						
Marines						
BDU						
Marine Corp Combat Utility Uniform (MCCUU)						
Flame Retardent Operational Gear (FROG)						
Nomex						
Navy						
BDU						
Nomex						
Navy Working Uniform (NWU)						
Air Force						
BDU						
ABU (Airman Battle Uniform)						
Nomex Flight Suits						
FR ABE (Airman Battle Ensemble)						
Army						
BDU (Tropical and Temperate weight)						
DCU (Desert Camouflage Uniform)						
ACU (Army Combat Uniform)						
Fire Retardant ACU (FRACU)						
Army Combat Shirt (ACS)						
Army Aircrew Combat Uniform (A2CU)						
Nomex						
Grey - Not Evaluated						
Amber - Under Evaluation						
Red - NOT Approved						
Green - Approved for Treatment						

Approved for Treatment means that the garment treated by that treatment method or company has been tested by Natick Soldier Research Center to ensure that the garment meets the EPA labeled initial treatment concentration of 0.52% w/w. Secondly, the garments are then laundered IAW AATCC Method #135-204 and subsequent samples are taken at established time points based on the Service and garment. These samples are then tested for permethrin residual in the fabric and also sent to the USDA CMAVE laboratories for bite protection testing. In order for a garment and treatment method or company to be approved for use the treated garments must meet initial EPA label required permethrin concentration in the garment and also provide the required % of bite protection at established time points.

For example, in the case of the treatment by IDA kit a garment must have 0.52% w/w +/- 10% permethrin in the fabric after initial treatment prior to laundering. The garment must also provide 90% bite protection after 50 launderings. Failure to meet either or both of these criteria means the garment is NOT APPROVED for treatment by that method or company.