



Advanced Antimicrobial Protection

Powered by QuatLock™ Technology

- Neem Fresche technology combines the traditional goodness of Neem with the technology of Fresche Bioscience Australia to give a broad-Spectrum microbial shield against pathogens.
- Neem Fresche kills pathogens physically and terminally and is not consumed in the process. It remains continually ready to defend and protect.
- Its Green material, based on Quaternary Ammonium Compounds, is reacted with a silane coupling agent that covalently "locks and bonds" with cellular structures, thus it retains its microbial protection even after long usage & frequent washes.
- Neem Fresche is non-flammable and heat-stable, stabilized in a safe, inert carrier system. When applied to PU Foam, it retains its performance during high-temperature processes such as flame lamination, as the treatment does not contribute to flame intensity or propagation.
- Neem Fresche has zero effect on the environment as the active materials do not leech into air, soil or water, thus making it completely safe to use.
- Neem Fresche contains a US EPA registered antimicrobial and is an Oeko-Tex™ authorized biological auxiliary. Active ingredients are registered according to the European Biocidal Product Regulation EU 528/2012.

MAJOR APPLICATIONS

Mattresses & Bedding

Furniture & Upholstery

Automotive, Transport & Public Seating

Footwear & Sportswear

Acoustic and insulation Foams

Medical & Institutional Products

Kitchen Sponges

Carpet Underlay

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Benefits of Neem Fresche



TEST	RATING SCALE	MICROBES TESTED	RESULTS	
Evaluation of Antibacterial Activity by ASTM:E2149-2020	Percentage reduction of Bacteria	Staphylococcus aureus ATCC 6538	99.7%	
		Escherichia coli ATCC 25922	99.5%	
		Salmonella enterica ATCC13076	99.7%	
		Listeria monocytogenes ATCC 19115	99.3%	
Fungus Resistance by ASTM: G21 - 15	Np Growth: 0 Trace of Growth: 1 Light Growth: 2 Medium Growth: 3 Heavy Growth: 4	Aspergillus niger ATCC 9642	4	0
		Penicillium pinophilum ATCC 11797		
		Gliocladium virens ATCC 9645		
		Chaetobium globosum ATCC 6205		
		Aurobasidium pulluins ATCC 15233		
Odor Sensory Test Method AI CM 0710	No Odor: 0 Faint Odor: 1 Odor Present: 2 Noticeable Odor: 3 Strong Odor: 4 Very Strong Odor: 5	Staphylococcus hominis ATCC 700586	1 - 2	0

*Lab test reports available on request

ABOUT SHEELA FOAM

Sheela Group is a \$500 million entity with footprints in India, Australia & Spain.

India's No.1 PU foam manufacturer with 30% Slabstock market share and exporting to 18 countries.

India's largest mattress producer – 1.5 million units per annum

Operates 17 facilities in India

Produces 60,000 tonnes of PU foam per annum

Dedicated R&D Lab

Pioneers of eco-friendly Variable Pressure Foaming (VPF) technology

110+ distributors, 5,000+ dealers, 80,000 upholsterers' network.

Trusted by leading brands in Footwear, Automotive, Railways, Apparel, Furniture and Mattress industry.

