



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

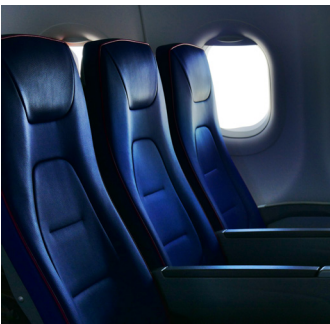
Kitchen Sponges

Carpet Underlay

Scan to view video



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%	
			Control	NF PU Foam
Fungus Resistance by ASTM: G21 - 15	Np Growth: 0	Aspergillus niger ATCC 9642	4	0
	Trace of Growth: 1	Penicillium pinophilum ATCC 11797		
	Light Growth: 2	Gilocladium virens ATCC 9645		
	Medium Growth: 3	Chaetobium globosum ATCC 6205		
	Heavy Growth: 4	Aurobasidium pulluins ATCC 15233		
			Control	NF PU Foam
Odor Sensory Test Method AI CM 0710	No Odor: 0	Staphylococcus hominis ATCC 700586	1 - 2	0
	Faint Odor: 1			
	Odor Present: 2			
	Noticeable Odor: 3			
	Strong Odor: 4			
	Very Strong Odor: 5			

*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.

