Alchemie

novara™

Breakthrough sustainable digital finishing technology

Antiviral, Antibacterial protection

Creating a world with zero pollution from textile dyeing and finishing

Less Chemistry. Reduced Energy. Cost Reduction.

Novara™ offers the most efficient, sustainable, multi-function textile finishing, enabling high performance at significantly lower cost.

Dramatically reduce operational costs

- Less chemistry
- More resource efficient (less energy/water)
- Digital on demand production

Unique product innovations

- Single-sided coating
- Simultaneous 2-sided coating of multiple finishes e.g. combining antiviral with water-resistance in one material
- 2D patterned finishes

Single-sided HeiQ viroblock

Chemistry reduction	Water reduction
Up to 52%	Up to 66%
Energy reduction	**Cost reduction**
Up to 85%	Up to 50%

Chemistry requirement vs padding

48% Novara single-sided

100% Padding

Energy requirement vs padding

15% Novara single-sided

100% Padding

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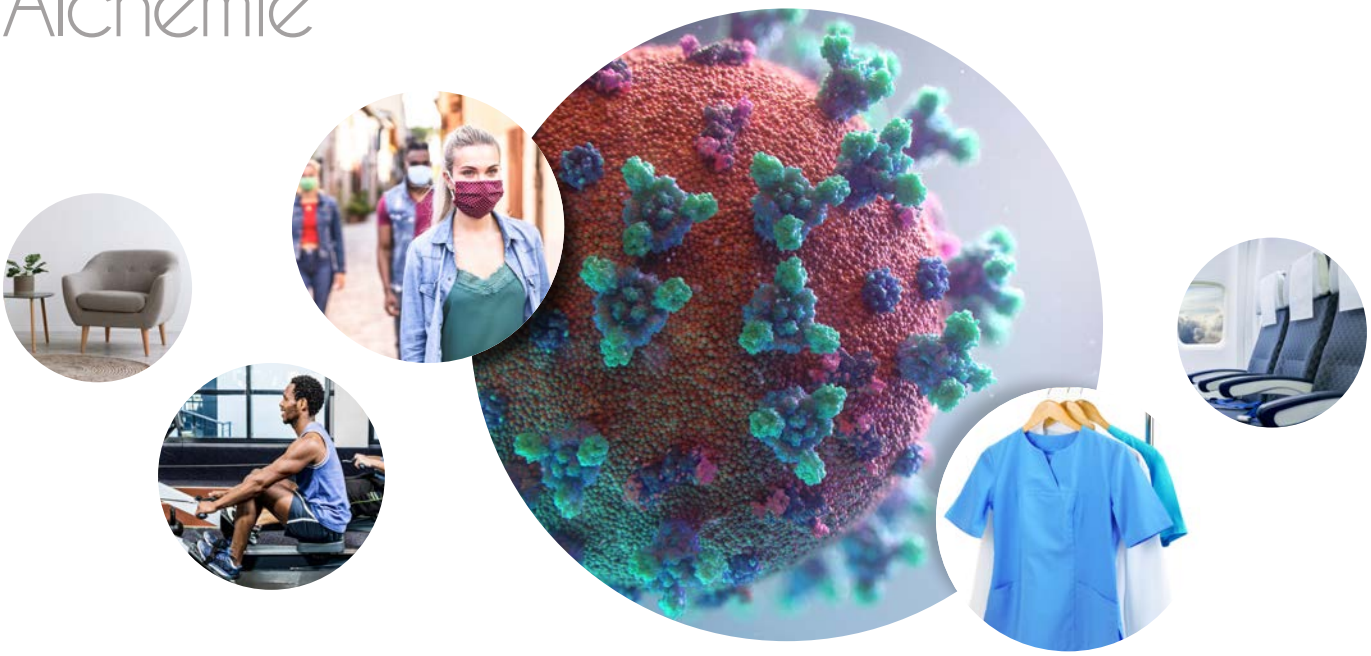


High-performance, multifunction, anti bacterial, antiviral textile finishing

Novara™ delivers dramatic cost reduction with unique product innovation opportunities such as, single sided, and 2-sided coating of multiple finishes e.g., combining anti-bacterial with water-resistance, or flame retardant.

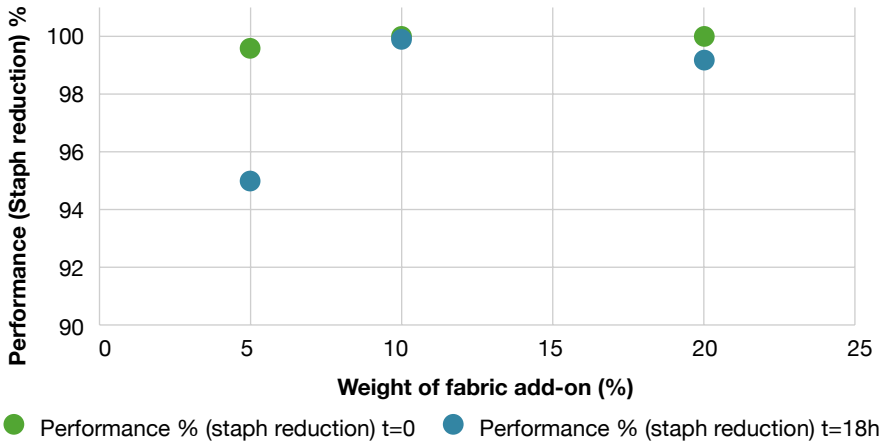
Unlike padding, which utilises a bath that is rapidly contaminated with fabric debris and varies in concentration, Novara™ delivers precisely defined digitally controlled finishes only where needed.

Novara™ is suitable for all fabric types, from 50 - 1000 gsm, and commercially available chemistries, including HeiQ viroblock, silver-free antibacterial and antiviral for face masks, medical apparel, gym wear, home furnishing, mattresses, and textiles for high-risk, high traffic areas such as train and plain seats.

Treated face masks show significantly improved reduction in virus infectivity compared to untreated control masks*

For more efficient and sustainable textile finishing, contact us at:
www.alchemietechnology.com

Excellent antimicrobial activity: 99.7% after 15 x 40°C washes
ISO 20743:Staphylococcus aureus



*Data provided by HeiQ: https://heiq.com/technologies/heiq-viroblock/

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