



**ADVANCED  
PROTECTION**

## **Advanced Antiviral & Antibacterial Active Textile Protection**

### **TODAY'S ISSUE?**

Now more than ever, health & safety is a top priority for consumers resulting in an increased interest for antiviral face masks and PPE. Face masks and medical textiles help in protecting the wearer from infectious microbes, but they can also act as a potential vector for hosting viruses and bacteria. Disinfection & hygiene improving products are important key element for preventing the spread of viruses and bacteria.

### **SOLUTION?**

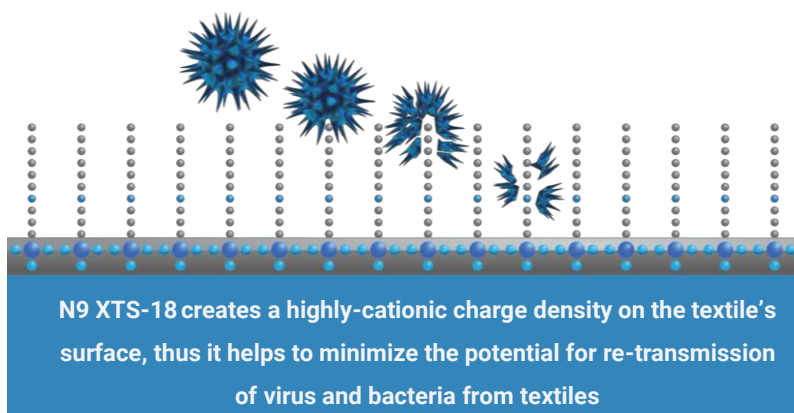
The effective, long-lasting antibacterial and antiviral performance of N9 XTS-18 treated products provides consumers with confidence and trusted protection. N9 XTS-18 has proven to be effective against enveloped & non-enveloped viruses. Protect yourself, your family, and your community with N9 XTS-18 treated products.

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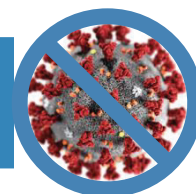
# N9 XTS-18




## HOW DOES IT WORK?

N9 XTS-18 is a custom blend of Sanitized® T20-19, a patented Swiss quaternary silane technology. It creates a durable, highly cationic charge density on the textile's surface, deactivating the spread of virus and bacteria on contact.



## N9 XTS-18 PROVEN ANTIVIRAL PERFORMANCE (ISO 18184:2019)



Lab Name	Virus Type	Contact Time	Avg. Log Reduction		% Reduction	
			0x Wash	30x Wash	0x Wash	30x Wash
	Feline Coronavirus	2 Hours	2.00	-	99%	-
	H1N1 (Influenza A)	2 Hours	3.04	-	99.91%	-
	H3N2 (Influenza A)	2 Hours	6.20	5.10	99.9999%	99.999%
	H1N1 (Influenza A)	2 Hours	4.90	3.70	99.9987%	99.980%
	Feline Calicivirus	2 Hours	5.10	3.70	99.9992%	99.980%



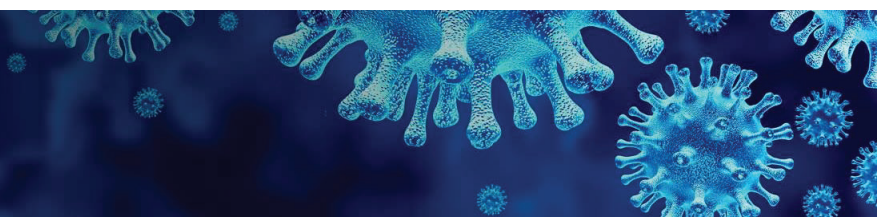
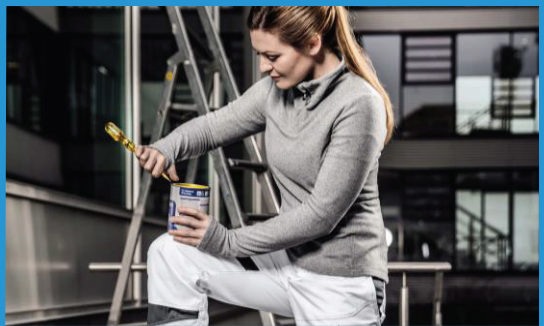
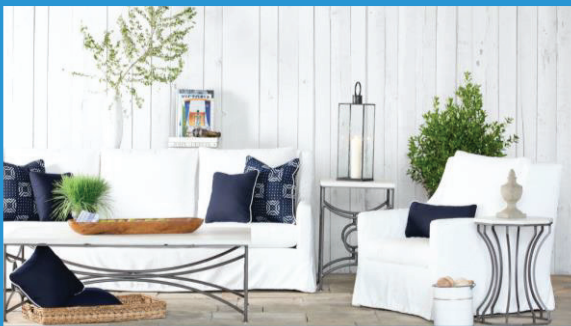
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## Fast Facts of N9 XTS-18

- N9 XTS-18 is a custom blend of Sanitized® T20-19, a patented Swiss quaternary silane technology.
- Creates a highly-cationic charge density on the textile's surface, deactivating the spread of the virus & bacteria on contact.
- Acts quickly to prevent the transmission of viruses.
- Recommended Add-on: 6-15 % (on weight of fabric).
- It can be applied by padding & exhaust techniques.
- Provides antiviral protection for up to 30X washes.
- Provides antibacterial protection for up to 40X Washes.

## Application Areas

- Apparels
- Facemasks
- Home Textiles
- Medical Coverall
- Work Uniforms



## Claims Overview

- The messaging of antibacterial & antiviral claims must be accurate and not misleading. All claims must be substantiated by test results both before and after repeat laundering.
- It is strongly advisable that the primary messaging is one of well-being rather than an overt health benefit. For example: material protection, freshness & odor control.
- Anti-viral claims can only be made if approved by the relevant authority.

## VIROBAN™ Brand & Hangtag

- Standard VIROBAN™ tags available
- Hang tags / packaging can be customized based on customer needs



- VIROBAN™ is a performance-based trademark.
- N9 XTS-18 is fast-acting antiviral and antibacterial agent and the treated articles performance verified to qualify to use the VIROBAN™ trademark.
- Durability testing for the VIROBAN™ trademark utilizes AATCC 100/ISO 20743 testing. Additionally, antiviral testing using ISO 18184:2019 can be performed for customers at the customer's expense.



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