



SUPERTOWEL



— CLEAN HANDS - HEALTHIER LIFE —

— INTRODUCING SUPERTOWEL —

Health and Hygiene

Supertowel is a reusable and highly durable towel that includes a permanently bonded anti-microbial layer. It is designed to provide clean hands without using soap and by using only a small amount of water.

Handwashing is one of the most important and efficient public health interventions in the world. Every year, 1.8 million children do not live to celebrate their fifth birthday because of diarrheal diseases and pneumonia. Handwashing is among the most effective and inexpensive ways to prevent these diseases. This simple behavior can save lives, cutting diarrhea by almost one-half and acute respiratory infections by one-quarter. Handwashing impacts not only health but also education, economics and equity. It plays an important role in achieving the Sustainable Development Goals - contributing to improved sanitation, zero hunger, good health, quality education, equity and much more.

Supertowel is designed with a permanently bonded antimicrobial technology. When wetted and rubbed against the hands, the pathogens will be transferred to the towel and killed.

The antimicrobial technology forms a positively charged layer on the fabric. This layer will attract and kill the negatively charged microbes, like bacteria and fungi. The treatment does not contain any harmful chemicals.

Antimicrobial Efficiency, test results*

<i>Pseudomonas Aeruginosa</i>	Bacteria	99,99% reduction
<i>Escherichia Coli</i>	Bacteria	99,99% reduction
<i>Staphylococcus Aureus</i>	Bacteria	99,99% reduction
<i>Klebsiella Pneumoniae</i>	Bacteria	99,99% reduction
<i>Aspergillus Niger</i>	Fungus	99,99% reduction
<i>Candida Albicans</i>	Fungus	99,31% reduction

* as tested under experimental conditions JIS L 1902:2008



Efficacy

- Broad spectrum efficacy
- Fast acting technology, 99%+ bacteria killed within 30 secs
- Kills even MRSA

Water

- Very small water consumption
- Even contaminated water can be used

Cost/Distribution

- Long lifetime
- Less bulky than soap

Supertowel - re-engineering handwashing – our commitment to humanitarian innovation.

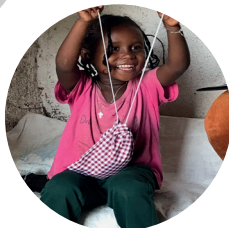
— THE ADVANTAGES OF SUPERTOWEL —

Highly efficient handwashing

Reusable and durable

Low water consumption

Cost saving



SUPERTOWEL

Why choose Supertowel?

Health and Hygiene

- Clean and bacteria free hands
- No chemicals left on hands
- No skin irritation, less dry skin

Cost savings

- Long lifetime/durability
- No expiry of antimicrobial treatment
- Compact alternative to soap
- Reduced distribution costs








Convenience

- Easy and flexible use - promotes more frequent handwashing
- Convenient handwashing anywhere, anytime

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Specifications – Supertowel

Property	Specification	Test Standard
Dimension	30 x 30 cm, +/- 10%	Metric ruler
Composition	80/20 Polyester/Polyamide	ISO 2959:2011
Colour	Dark Blue std. Other colours available	
Attributes	<ul style="list-style-type: none"> - Permanently antimicrobial - Durable - Quick dry - Stain release 	
Material weight	270 g/m ² +/- 5%	Metric scale
Weight	24 g +/- 10%	Metric scale
Fabric construction	Terry Towel	
Dimensional stability	+/- 5% (30°C)	ISO 5077:2007
pH	6,5 – 7,5	ISO 3071:2005
Care instructions	<ul style="list-style-type: none"> - Washing: 30°C - 90°C - Drying: line drying recommended - No Dry cleaning - No ironing - Tumble drying: At any temperature - Bleaching: Allowed - Wash separately or with dark colours first time 	
Antimicrobial activity		
Staphylococcus Aureus	>99.99%	JIS L 1902:2008 ISO 20743:2013
Klebsiella Pneumoniae	>99.99%	
Escherichia Coli	>99.99%	
Candida Albicans	>99.31%	



SUPERTOWEL

An efficacious handwashing tool

About Supertowel

It looks just like an ordinary towel, but it has a built-in antimicrobial layer that provides protection against pathogens. The Supertowel offers the user clean, germ-free hands even in situations where neither soap nor running water is available. The Supertowel offers a high-tech solution to a practical hygiene problem – with the potential to improve sanitary conditions anywhere in the world.

Facts

Every year, 1.8 million children do not live to celebrate their fifth birthday because of diarrheal diseases and pneumonia. Handwashing is among the most effective and inexpensive ways to prevent these diseases. This simple behavior can save lives, cutting diarrhea by up to one-half and acute respiratory infections by up to one-quarter.

Removes and kills pathogens

Supertowel has undergone clinical tests showing that it removes more pathogens than soap and water when used for handwashing. The antimicrobial layer on Supertowel is efficacious against bacteria, fungi and encapsulated viruses. Pathogens can spread from person to person by physical contact, therefore handwashing after contact with a potentially infected person, surface or object is an effective method to help protect yourself and others from infection. Supertowel as a handwashing tool, removes pathogens from the hands and kill it and it offers the opportunity to wash hands more frequently as it does not require soap or running water.

COVID-19

Even though the antimicrobial treatment on Supertowel is reported to be effective against enveloped viruses, and COVID-19 is an enveloped virus, we do not claim that Supertowel is efficacious against COVID-19. We suspect it is, but it has not been tested directly on the Supertowel. Such tests are right now being discussed in a partnership between a number of US universities, the Humanitarian Innovation Fund and Real Relief.



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



5 GENDER
EQUALITY



6 CLEAN WATER
AND SANITATION



8 DECENT WORK AND
ECONOMIC GROWTH



Why Handwashing matters to achieve the SDGs

The Sustainable Development Goals (SDGs) are a commitment to finish what was started - to end poverty in all forms and dimensions by 2030.

This involves targeting those living in vulnerable situations, increasing access to basic resources and services, and supporting communities affected by conflict and climate-related disasters. At Real Relief, we work across the SDGs to contribute to achieve the 17 goals. Among other products we focus on Supertowel™, a handwashing tool that works without soap and using only a fraction of the water normally required for handwashing. It is a reusable and highly durable towel that includes a permanently bonded anti-microbial layer. As easy access to handwashing matters to achieve the SDGs.



Goal 1: End poverty in all its forms everywhere

Fact: Handwashing is the sole most important tool to fight a series of bacterial transmitted diseases, diarrheal and pneumonial diseases to mention the most severe. It is a fact that poor people are the hardest hit by these diseases causing loss of income, education or even death.

Solution: Easy access to hand hygiene everywhere and anywhere. #supertowel



Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture

Fact: Sickness and death caused by poor hand hygiene, prevents farmers from working in their fields.

Solution: Prevent diseases by providing easy access to hand hygiene



Goal 3: Ensure healthy lives and promote well-being for all ages.

Fact: Diarrheal and pneumonial diseases causes more yearly deaths than malaria and HIV/AIDS put together. Handwashing is the single most efficient tool to prevent these diseases.

Solution: Easy and cheap access to hand hygiene everywhere and anywhere.



Goal 5: Achieve gender equality and empower girls and women.

Fact: Handwashing requires large amounts of water. Provision of water for the family is in many cultures women's job.

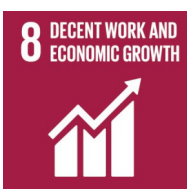
Solution: Handwashing tools that require less water makes the task of providing water easier for the women.



Goal 6: Ensure availability and sustainability of water and sanitation by all.

Fact: Hand washing is a very important task and highly efficient disease prevention tool. Handwashing requires between 1 and 10 liters of water per hand wash.

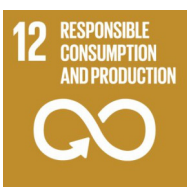
Solution: Handwashing tools that require less water helps preserve this natural resource



Goal 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Fact: Handwashing is the sole most important tool to fight a series of bacterial transmitted diseases, diarrheal and pneumonial diseases to mention the most severe. It is a fact that poor people are the hardest hit by these diseases causing loss of income, education or even death.

Solution: Easy access to hand hygiene everywhere and anywhere. #supertowel



Goal 12: Ensure sustainable consumption and production patterns

Fact: Soap and water consumption for hand washing can be avoided or reduced

Solution: Hand washing is a very important and beneficial habit that people should perform several times a day. By using a tool that requires no soap and very small amounts of water resources are preserved