ANTIVIRAL
TAPE

tapespec™
STICK WITH QUALITY

PRODUCT DATA SHEET

0886-100
ANTIVIRAL COPPER ION TAPE

DESCRIPTION

Antiviral Tape code: 0886 is made from Polythene (PE) Film and coated one side with premium acrylic adhesive. The PE Film is specially coated with copper ions and this technology gives this tape antiviral and antibacterial properties. The tape properties assist in preventing the attachment of viruses and bacteria onto various surfaces.

NOTE: It does not provide 100% protection from infection.

BACKING	POLYTHENE (PE) FILM COPPER ION COATED
ADHESIVE	PREMIUM ACRYLIC ADHESIVE

FEATURES

ANTIVIRAL & ANTIBACTERIAL
Research shows that copper ions are released when microbes land on a surface and can kill them. Antiviral effect lasts for up to 1 month use (remove & replace with new material).

PREMIUM ACRYLIC ADHESIVE
High transparency & non yellowing.

EASY USE
User friendly, easy to apply and remove. Removes cleanly from most stable, primed and non-flaky surfaces.*

SIAA CERTIFIED
Certified by the SIAA (antiviral & antibacterial certification).

GOOD STABILITY
0886 remains stable even after contact with alcohol or detergent for a short period.

MULTI-SURFACE USE
Can be applied on many kinds of surfaces.

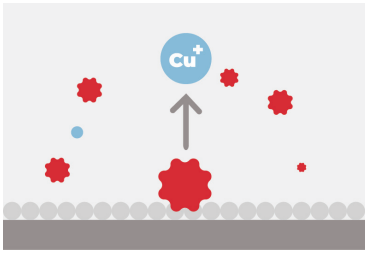
TYPICAL APPLICATIONS

- The 0886 is ideal for surfaces such as stainless steel and plastic materials like PET.
- It is ideal for use in high-traffic areas and contact surfaces such as door handles, elevator buttons, touch screens, ATM and EFTPOS keypads.
- Areas of Use: Clean rooms, offices, factories / warehouses, schools & universities, retail stores, restaurants, rest rooms, transport etc.
- *NOTE: Prior surface testing to assess suitability is essential on all surface areas. Ensure that the surfaces are correctly secured and sealed; also they must be non-flaky and not prone to any discolouration.

HOW IT WORKS

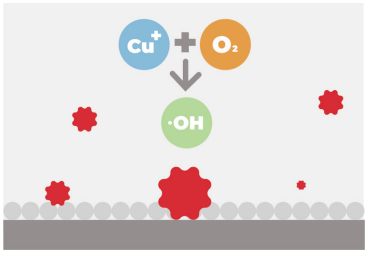
SCAN ABOVE FOR 0886 VIDEO INTRO

STAGE 1



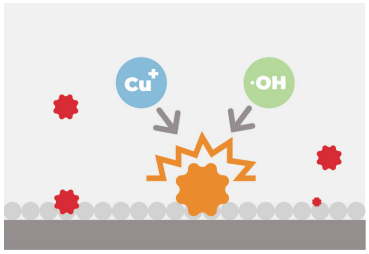
When nanoparticles of a monovalent copper compound collide with viruses or bacteria, they elute monovalent copper ions into the ambient moisture.

STAGE 2



Monovalent copper ions react with oxygen to produce reactive oxygen.

STAGE 3



The power of copper ions and reactive oxygen act together reduce viruses and bacteria.

APPLICATION

01 If applying to surfaces that are treated with machining oil, degrease the surface carefully. Any remnants of the oil could cause surface contamination or adhesive residue.

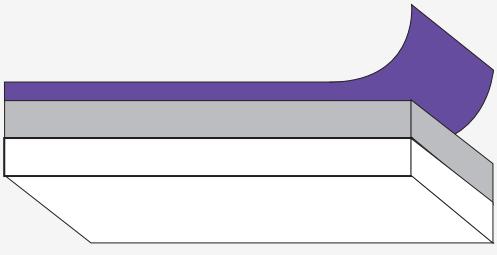
02 During application, direct pressure should be applied evenly across the entire surface of the product to ensure the desired adhesive effect is achieved.

03 Product should be stored at room temperature and moderate humidity while being kept away from direct sunlight.

04 The ideal operating temperature is between 20-40°C. It is not recommended to apply at temperature below 10°C which can decrease its adhesive performance.

PLEASE NOTE: The above information is for reference only, and should not be employed as an inspection standard.

TAPE STRUCTURE



- **Release Paper**
- **Premium Acrylic Adhesive**
- **Antiviral PE Film coated with Copper Ion Technology**

TECHNICAL INFORMATION

Backing	Polythene (PE) Film copper ions
Adhesive	Premium Acrylic
Antiviral Effect	Lasts for up to 1 month.
Total Thickness	0.078mm
180° Peel Adhesion	200-400 g/25mm*
Tensile Strength	2.5 kg/25mm*
Elongation	380% *
Initial tack (#7)	3-7 cm*
Holding Power (1 kg/25m-m*25mm)	10000 min*
*Test method: ASTM D-1000 PSTC-6 PSTC-107	
Storage Condition	23°C, 65%R.H
Shelf Life	12 Months
Roll Size	100mm x 5m
Packing:	Sold per Roll
Chemical Resistance	Good - prior testing advised
Certifications	Certified by the SIAA (antiviral & antibacterial certification). Based on ISO 22196 and ISO 21702

SIAA marks represent antimicrobial quality and safety, conforming to the guidelines of the Society of International sustaining growth for Antimicrobial Articles.

PLEASE NOTE

Avoid film surface damage or scratching to ensure effective performance.
NOTE: Not effective to all kinds of virus and bacteria.

NOTE: We recommend tape product testing to assess the suitability of the selected product to the end application & conditions. For surface preparation and guidelines please refer to our website www.tapespec.co.nz_Advanced Tape Application Guide.

SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, & fats, oxidisation, release agents & any other known contamination.

The correct choice of surface cleaner depends on the surface properties. Essentially non-greasy cleaners are recommended including isopropanol alcohol (mixed 50/50 with clean water). Cleaning cloths must be clean, grease & fat free with no loose fibers or cloth particles.

The bond strength is dependent upon the contact pressure of the adhesive to substrate. To assist this process all adhesive tapes require firm hand or roller pressure.

BONDING APPLICATION TEMPERATURE

We recommend that the product, substrate & environment should be between +15°C & 25°C. Ensure that the adhesive product & substrates are allowed time to adjust to the environment temperature before bonding.
For product storage we recommend that products are stored in their original packaging under dry conditions, ideally at room temperature but not warmer than +25°C. High relative humidity & direct sunlight must be avoided at all costs.

For more detailed handling instructions please refer to our comprehensive application guide.

PRODUCT USE

The information in this guide is based upon our knowledge & practical experience. This data is intended only as a source of information given without guarantee & does not constitute a warranty.

Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use. Trial samples are provided free of charge & without obligation.

For detailed surface preparation & application information please refer to our detailed Surface Condition & Preparation Guide.