



### PRODUCT DESCRIPTION

CovidSafe is a user-attachable and replaceable temporary protective coating for contact surfaces. The product consists of coating material to be attached to surfaces, with antimicrobial multi-metal hybrid technology added to its surface layer.

### APPLICATION

The product is designed for use as temporary protective cover on various contact surfaces. The product is suitable for use both indoors and outdoors. Severe environmental conditions and other aspects inducing wear; such as material, shape, or properties of the protected surface, might effect shelf life of the product.

### ACTIVE INGREDIENT

The product's active ingredients are copper and silver. The antimicrobial properties of the active ingredient blending have been verified in the special level laboratory 3 (BSL-3) at the University of Helsinki. Verification was performed by using a live SARS-CoV-2 virus (COVID-19), incubation times of 1–30 minutes, and room temperature in the test conditions. The verification process involved a higher virus concentration which is normally found in non-laboratory conditions. Virus viability and antimicrobial properties were observed both visually and by using RT-PCR (Reverse Transcriptase Polymerase Chain Reaction) specification to determine the relative frequency of the RNA copies.

### SHRINK RATIO

2:1 (ASTM-D 2671).

### LONGITUDINAL SHRINKAGE

Not more than +5%, (ASTM-D792, A-I).

### HEAT SHRINK TYPE

Single-Wall Polyolefin.

### MINIMUM SHRINK TEMPERATURE

90°C.

### INSTALLATION INSTRUCTIONS

1. Clean the surface of any impurities. Use appropriate cleaning agent(s) and method(s) for the surface to be protected.
2. Cut the tube to the appropriate size. Note! If the tube is too large for the installation site, cracking will occur at the site to be installed as a result of excessive shrinkage. Cracking reduces the durability of the protection.
3. Attach the cover to the mounting surface with a heat gun. The installation temperature should be 90°C-170°C.
4. Smooth the cover to make the attachment as tight as possible.

The cover can only be installed on dry surfaces.

### INSTRUCTIONS FOR USE

The product is ready for use and works immediately after installation. The product's antimicrobial protective coating will wear in use. As the surface wears, a red control colour will begin to show. This red control colour revealed from under the coating indicates that the cover needs to be replaced in the near future. Replace the cover by tearing it off and install a new one. The old cover can be removed by tearing or using a heat gun.

Note the material and sensitivity of the mounting surface when removing the cover. Before installing a new cover, clean the mounting surface of any adhesive residue or dirt.

Organic solvents induce wear on the CovidSafe surface, so you should avoid exposing the surface to these agents. These solvents include all alcohol-based cleaning agents, alcohol-based hand disinfectants, and ethanol.

### OPERATING TEMPERATURE

-55°C - +135°C (IEC 216), can withstand normal temperature environments.

### STORAGE

Recommended maximum storage temperature is 50°C and relative air humidity is 45%-50%.

### SHELF LIFE

Normal storage shelf life is two years from the manufacturing date. Shelf life for an installed cover depends on the method of application and the conditions of the environment where the product is used. In normal environment, CovidSafe can maintain protection for up to hundreds of thousands of contacts.

### CHEMICAL RESISTANCE

Test performed according to SFS-EN ISO 2812-4: 2017. The assessment was performed according to the standard SFS-EN ISO 4628-2: 2016.

### CLEANING

When necessary, you may clean the CovidSafe cover by using a mild general detergent. Do not use concentrated detergents, solvents, or hard scrubbing sponges for cleaning.

### DISPOSAL

Follow the instructions and requirements of your local authorities in all waste management and disposal. For this product, the European Waste Catalogue (EWC) code is 20 01 39 (plastic).

### REACH

The raw materials comply with the REACH regulation (EY1907/2006) requirements.

The information in this product description serves as a guideline and is based on laboratory testing, practical experience, and data provided by the raw material suppliers. As the product manufacturer has no possibility to control the choice, installation process, or method of use for the targets in which the product is used, manufacturer only guarantees that the product complies with the criteria of manufacturer's quality assurance. Manufacturer shall not be liable for damages caused by incorrect or inappropriate use or installation of the product; or for damages caused by incorrect or inappropriate use in environments where persons who are highly sensitive or allergic to the product's active ingredients are exposed to the product for prolonged periods.