

Product Information Sheet
University of Sussex COVID-19 Face Shield
Models: ClickShieldUS-S1, ClickShieldUS-S2

CE APPROVAL:

These products meet the requirements of the European PPE Regulation (EU) 2016/425 and follow British Standards Institution's (BSI's) PPE for Healthcare Professionals 2020/403—Eye Protection Technical Specification. As part of this specification, the products have been tested successfully against EN 166:2002, clauses 6.1, 6.3, 7.1, 7.1.1, 7.1.2, 7.1.2.1, 7.1.2.1.2, 7.1.3, 7.2.4, and 7.2.8.

Certification under module B has been issued by NB 0086 – BSI Assurance UK Ltd., Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, UK.

CE CERTIFICATE NUMBER: CE 732352

DECLARATION OF CONFORMITY (DoC):

A copy of the DoC is supplied with these user instructions.

DISCLAIMER:

This protective faceshield is manufactured for COVID-protection only. This protective faceshield is not a PPE device for general use and shall not be used for purposes other than protection against COVID-19.

MANUFACTURER:

School of Engineering and Informatics, University of Sussex, Falmer, BN1 9QJ, United Kingdom. Contact email: clickshield@sussex.ac.uk

WEBSITE: www.sussex.ac.uk/engineering/clickshield

INTRODUCTION

These face shields are designed and manufactured by the University of Sussex, School of Engineering and Informatics, for the purpose of protecting the user from liquid splashes and droplets—for protection against COVID-19. The shields are comfortable to wear, lightweight, easy to disinfect and to reuse. They can be shipped flat packed, with the user being able to assemble them in a few simple and quick steps without using any tools. An FFP2 type facemask can also be worn underneath the shield comfortably, if needed. These shields have also been designed so that under normal conditions, the visor remains clear and fog-free. Please note that the manufacturer does not guarantee that the products provide 100% protection from COVID-19, only that the products have been tested successfully in accordance of the aforementioned regulations and that they carry a valid CE mark.

Two models are covered by these instructions, ClickShieldUS-S1, and ClickShieldUS-S2. These shall be referred to as model S1 and S2 from here onward. The two models are almost identical, with the only notable difference being the size of the visor element. Model S1 has a smaller visor and model S2 has a larger visor.

Each face shield has two distinct components, a clear transparent visor made out of Polyvinyl Chloride (non-recyclable), and a headband made out of polypropylene (recyclable). The headband is made from three separate components, which are joined and held together by snap-fit type joints.

Head Size: 40-65cm (circumference), adjustable, with ambidextrous operation.

Model Recommendation: Although both models are suitable for the aforementioned head sizes, model S2 is recommended for head sizes above 58cm, and for those who wear glasses with large frames that may interfere with the visor element—or simply for those who want more side and top of the forehead protection in an environment where social distancing is more difficult. As a rough measure, if the headband has less than four remaining slots left on either side of the adjustment mechanism when worn, the model S2 is recommended.

Accessories: By request, the shields can be shipped with additional visor elements.



Figure 1: ClickShieldUS-S1



Figure 2: ClickShieldUS-S2

HOW TO ASSEMBLE AND ADJUST THE HEADBAND OF THE SHIELD

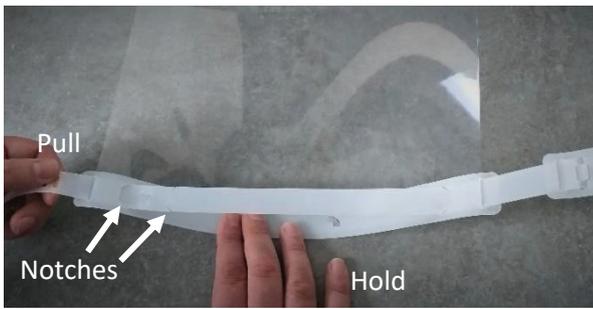


Figure 3: Assembly Step 1

Pull the long side strap with one hand, whilst holding the central strap in place with your other hand as shown above. When you hear a click, the notches in the two components have locked. Check that this is identical to the notches on the other side of the shield, which have been pre-assembled and locked in place at the factory (in this case, the right-hand side of the shield in figure 3 above).

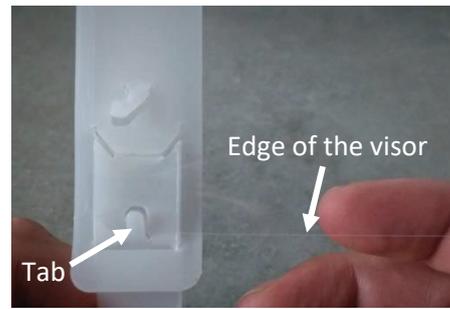


Figure 4: Assembly Step 2

For the model S1 only, fold the edge of the visor underneath the tab as shown above. The tab is flexible so it can be bent easily without it breaking. Do this on both sides of the face-shield. Note that for the model S2, this tab does not exist, and therefore this step can be skipped.



Figure 5: Assembly Step 3

Now slide the long side strap through the component that supports the back of your head, as shown above. This is the component with the product markings.

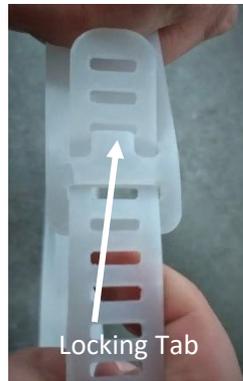


Figure 6: Assembly Step 4

Continue to slide the long side strap through the second slot that has a locking tab on it (the component with the product markings).



Figure 7: Assembly Step 5

Lift the long side strap and pull it backwards so that the locking tab slides into one of the slots on the long side strap. Adjust the headband more or less equally on both sides.

Note: for steps 3-5, you can also simply copy how the long strap has already been fitted through on the other side (this side is pre-assembled at the factory). **Important:** The headband of the face-shield is highly flexible, ensuring comfort and a good fit for any head size. For this reason, it is also possible to leave the headband too loose. Consequently, please ensure that the headband is tight to the extent that it cannot be easily tightened by another slot on the long side-strap when worn. This way, the face-shield will provide the best protection.

WEARING THE FACE SHIELD CORRECTLY

The face shield should be worn so that the headband, when viewed from the side, is parallel with an imaginary horizontal line (shown as a red line in figure 8), or at a slight angle, so that the visor's bottom edge is pointing slightly towards the users' chest, rather than away from it. This will ensure the best protection for the user.



Figure 8: How to Wear the Face-Shield Correctly

SERVICING AND CHECKS DURING USE

- Occasionally, check that the headband components are properly attached to one another, as shown in figures 3-4 above.
- Occasionally, inspect the headband and the visor element for any hardening, discolouration and damage. If you observe any of these, discard the shield.
- Note that the visor element of the shield can have some static electricity, and as such, it will stay in the best condition if cleaned regularly.
- Note that the visor can be replaced easily with provided spare visors (sold separately). To do so, bend the four tabs that hold the visor to the headband, one at a time, going from left to right or from right to left, whilst separating the visor from the headband. To replace the visor, reverse these steps.



Figure 9: Visor Tabs

CLEANING AND DISINFECTING THE SHIELD

Use a neutral, non-abrasive cleaner or a disinfectant for cleaning. Do not use solvents, particularly spirits, acetone or thinners. When using cleaners, follow the instructions of the cleaning product. Always test the cleaner on a small part of the face shield first—to see if it adversely affects the shield. As the face shield can warp in elevated temperatures, use lukewarm water when cleaning. To avoid scratching the visor, clean or dry with a non-abrasive cloth. The disinfection procedure will depend on the disinfectant used, but as an example: to clean with soap and warm water, rinse the whole shield with water and then apply and rub a generous amount of soap to all parts of the shield with a non-abrasive cloth, sponge, or your hands. Ensure all areas are covered. Then rinse the shield with warm water and allow the shield to dry naturally, or use a non-abrasive cloth to aid drying. Afterwards, discard any sponges or cloths used, and wash your own hands. For improved protection, it is recommended that a disinfected shield is not used for a period of at least 12hrs after disinfection, and that multiple shields are used and periodically cycled/disinfected instead. Additionally, it is recommended that each shield is kept personal with only one user, and that the shields are always disinfected after a shift (a period of 8 hours approximately).

INSTRUCTIONS FOR STORAGE AND TRANSPORT

Store at room temperature, away from sunlight and from any sources of ignition. To avoid damage to the shield, do not place any heavy items on top of it. When shipping, use clean/lint free packaging and wrapping film that protects the shields from being subjected to any heavy loads, and from dust that can get stuck on the visor element.

RECYCLING INFORMATION AND PERIOD OF OBSOLESCENCE

The headband of the face shield is recyclable in many places, but please ensure that your local recycling centre/collection area accepts polypropylene for recycling before disposing of the headband. The transparent visor element is not recyclable and should be disposed of in general waste. To recycle, the visor can be separated from the headband by tearing it off carefully. The manufacturer recommends that this product is inspected by the user before each use and discarded if there is any visible damage to the product, including discolouration or hardening of any of the plastic components. Continuous and heavy use going beyond a month is not recommended, even if spare visor elements are used.

PRODUCT MARKINGS

The component of the headband that supports the back of your head is engraved with the following product markings. Please quote the model identification text and the batch number if you need to get in touch with the manufacturer about the product.



Figure 10: Product Marking

CE Mark: The letters “CE”. **Manufacturer’s Logo:** Stylized “US” logo, for University of Sussex. **Model Identification Text:** Abbreviation “CS-S1”, formally known as ClickShieldUS-S1. Or, abbreviation “CS-S2”, formally known as ClickShieldUS-S2. **Batch number:** This follows the model identification text.

QUESTIONS

If you have any further questions about this product, or you would like to place an order, please contact the manufacturer directly at clickshield@sussex.ac.uk. Also see www.sussex.ac.uk/engineering/clickshield for further information and instructional videos about the product. We welcome any feedback you may have, as we are always keen to improve our product and services. We hope you enjoy your shield and stay safe!