

# Reusable face shield – safety and comfort all day long



This shield design has been developed together with intensive care unit and infectology specialists\*

## Face shield

Primary function is to protect the face from direct contact from liquids and aerosols. A secondary function is to limit access to the face from direct touch from possibly contaminated hands.

DISINFECT BEFORE FIRST USE!

Assembly instructions on the other side of the page.

### Contents of the package

1 × shield frame	1 × adjustable top strap
1 × cushioning strip for shield frame	3 × transparent screens
1 × adjustable side strap	1 × user manual with assembly instruction

### Manufacturer and distributor

3D Technology LTD  
 Registration № 42103085103  
 71 Gustava Zemgala street, Riga, LV-1039, Latvia (Latvija)

### Storage

Unopened package can be stored for 24 months

### Month of manufacture

05.2020

### CE marking



### Hazard prevented

Protection from splash of hazardous materials – liquids, aerosols and debris projected towards face

### Safety features

- Shields entire face – extending to ears on both sides of the face
- Shields face from the top, especially important for health care workers leaning down to tend to a patient
- Easily removable in case of accidents
- Impact resistant - screen will not shatter upon dropping or bending
- Limits access to face from direct touch from possibly contaminated hands
- Ability to wear over eyeglasses, goggles, surgical masks and respirators
- Ability to wear with hats, protective hoods and most helmets

### Materials

Frame	ABS (Acrylonitrile butadiene styrene)
Straps	PET and PVC (Polyethylene terephthalate and Polyvinyl chloride)
Screen	PET (variations include PET, PET-A, PET-G)
Cushioning	Inert rubber or silicon

### Screen thickness

0.45 to 0.75 mm (all thicknesses have the same functionality without any vision distortion – subject to material availability)

### Reusable

Yes – intended for 1 person; reusable if cleaned and disinfected

### Disinfectable

Yes – all parts can be effectively cleaned/washed and disinfected

### Head strap

Yes – over the top and around the head

### Adjustable fit

Yes (all head sizes)

### Liquid resistant

Yes – can be fully submerged in disinfectant and/or water

### Dimensions

H 240 x W 160 x D 136 mm (assembled)  
 H 240 x W 362 mm (disassembled screen and package size)

### NET weight

Depending on screen thickness: 78 to 105 grams

## Important notes

All components are made of materials that are washable and disinfectable

The face shield consists of modular components, where each component can be replaced and allows to continue to use the face shield. Contact [info@shield48.eu](mailto:info@shield48.eu) to inquire about replacement components.

The face shield has no metal parts and no fabric components

The set includes 3 transparent screens. Each screen should serve for at least 10 days with careful care and cleaning (minimum 30 days total).

Each screen has a protective film on both sides to ensure that it is not scratched during delivery – remove it before use!

Each shield should be worn by one person. One shield is not intended for multiple people and the fit should not be adjusted multiple times, as that can wear out the attachment holes on the straps.

\* Each design decision was consulted with Paul Stradins Clinical University Hospital's Infectious Diseases and Hospital Epidemiology Advisory Service team lead by Prof. Uga Dumpis, Riga (Latvia)

# User Manual

## BE AWARE ⚠

- IT IS MANDATORY TO DISINFECT THE SHIELD BEFORE THE FIRST USE!
- DO NOT USE THE SHIELD IF YOU ARE NOT SURE IF IT IS CLEAN AND DISINFECTED!
- DO NOT USE THE SHIELD IF ANY PART OF IT IS DAMAGED!

## Cleaning

Before each use clean the shield and all parts with an appropriate disinfection solution and wash it in a warm soapy water.

*EU regulated household disinfectants, diluted household bleach solutions or at least 70% alcohol solutions are appropriate. Read more about General Recommendations for Routine Cleaning and Disinfection during COVID-19 here: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cleaning-disinfection.html>*

The shield does not have to be disassembled for disinfection and cleaning.

Do not use abrasive sponges/materials to clean the shield.

The transparent screen should be changed, if it is potentially contaminated, damaged and/or if it has lost its see through ability.

## Use of the shield

Shield is designed to be used multiple times by one person

The fit should not be adjusted multiple times, as that can wear out the attachment holes on the straps

By following cleaning instructions above each transparent screen should last at least 10 days of use

Face shield should be used in conditions when it is not possible to provide social distance from potentially ill people, such as medical staff caring about the patients, retail employees etc.

## Assembly instructions

The face shield is delivered disassembled, each user has to assemble it himself (takes 1-2 min).

Make sure your hands are clean before assembling the shield!

Make sure you take care and disinfect the shield, to avoid the risk of the package being contaminated

Follow the assembly instructions through steps 1 to 10. Readjust the size of the straps as necessary.

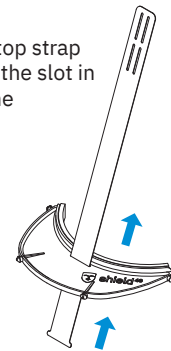
Shield can be used without the cushioning strip and the top strap - test the fit that works for you!

# Assembly

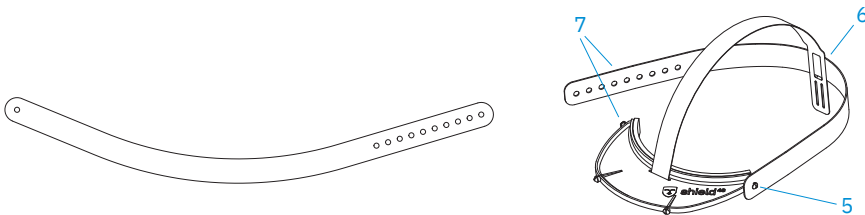
- 1** Remove protective film from cushioning strip    **2** Stick it to the inside of the frame



- 3** Put the top strap through the slot in the frame

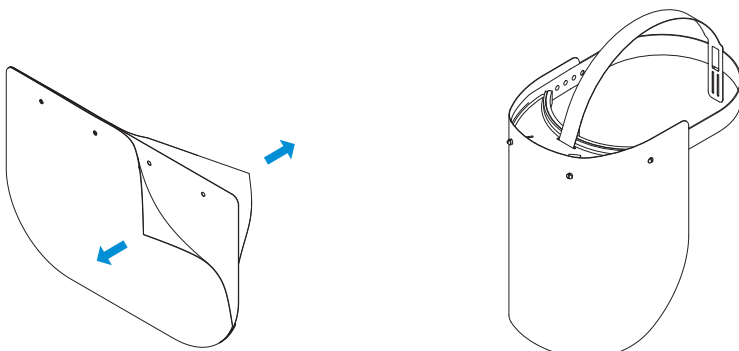


- 4** Both ends of the side strap should be pointing up with the bend below    **5** Attach the side strap to one side of the shield frame edge pins



- 6** Thread the side strap through the slot on the other end of the top strap. **Try it – depending on the size of the head, choose the upper or lower cut**
- 7** Adjust the fit on the head by choosing one of the adjustment holes on the side strap

- 8** Remove the protective film from both sides of the transparent screen    **9** Attach the transparent screen on the frame pins



- 10** Re-adjust the fit as necessary, by choosing a different attachment hole (step 7) or if the shield sits too low or too high on the head, choose the other slot on the top strap (step 6)



[www.shield48.eu/manual](http://www.shield48.eu/manual)