

FAQ and Useful tips – 1st Rudgwick Scouts

Who can make the visors: Anyone really, but consideration must be made concerning individuals who are at greater risk of contracting or transmitting Covid19. Anyone who is symptomatic should not to be involved in the manufacturing process

What personal precautions should I use in making these visors?: Basically use your common sense! Anything brought into your home should be treated as potentially contaminated and you should be using the official Government guidelines (e.g. washing hands regularly and maintaining the 2m rule)

Which version of the design should we be using?: The latest version – currently RC3. This makes for quicker printing speeds and we have found that some of the clips broke on the RC2 model during assembly

What plastic should be used for the 3d generated parts?: The recommendation is to print it in a plastic called PETG. Alternatives can be used such as PLA but they are less rigid so may not last as long

What can I use for the visor?: Clear straight sided 2L bottles work brilliantly (with no lumps, bumps or ridges which will impair visibility when worn). Alternatively, anything really, as long as they are fairly rigid (e.g. A4 acetate or polycarbonate sheets). They have to be thick enough e.g. 0.5mm thick or else they may not grip in the bottom clip

- Scouts or people in the community could donate but consideration must be given to where they are coming from for obvious reasons. Alternatively, your local supermarket may wish to donate some!

Should the labelling wrapper be removed before 2L bottles are donated to you?: Ideally yes to reduce handling of potentially contaminated material. **Should they be cleaned as well?:** Ideally yes with warm soapy water, especially the external surface

I have plastic for the visor but its 30mm too short, can it still be used?: Ideally it wants to be manufactured as per the design but this is acceptable, it can always be replaced at a later date

I only have absorbent elastic material for the rear elastic strap – can it still be used?: Yes. Ideally all parts of the visor should be plastic (i.e. a material which can be easily disinfected) but for the purposes of these visors in the current situation it is acceptable

Can I use rubber bands for the rear elastic strap?: Yes. Consider the length of the rubber bands though as one size will not fit all heads! These visors must be comfortable for the end user as they may be wearing them for extended periods of time

Do I have to sterilise the completed visors?: No. The obvious worry is spreading something on the masks we are making but anyone using one of the visors should be risk assessing their use and clean them before and after use in line with their PPE and infection control protocols.

How should we package and store them before dispatch?: As cleanly and safely as possible. Obviously we are volunteers and cannot take responsibility but a common sense approach can be taken such as wiping them down with warm soapy water and placing directly into 'clean' packaging so as to not contaminate them whilst waiting for dispatch

How many delivery trips should we do?: As few as possible. Try to combine trips as far as is reasonably practicable to maximise the stay at home rulings. But, we consider that this is permitted as essential travel as we will be providing essential PPE to our valued frontline heroes

Useful tips

Co-ordination: Assign one or two people to take on this role to avoid duplication of efforts. e.g. sourcing plastic for the visors, arranging the 3d printing, collection and distribution, contacting e.g. local GP's – communication is the key

Other sources of information: Encourage people to read the 'How to get involved – making visors for GP surgeries.doc'. It contains a lot of worthwhile detail which may answer other questions such as how much does it take to make (approx. £1.50 for the 3d generated parts or £2.00 in total if you have to buy cheap lemonade bottles.....)

Take photos along the way: Always good for promotional opportunities!

An example of an unsuitable 2L bottle with ridges

