

What is the problem?



When being taught how to handle contacts it is encouraged that your hands must be clean when applying the contact to the eye, however assuming you are caught off guard in a time sensitive situation or your glasses break and there is no immediate form of sanitation, what do you do?



Two out of five contact users will apply their contacts with dirty hands causing long term problems in the future.



"Putting the contact in your eye, they can get dirty easily causing a burning sensation."- Ali Eta (Contact lens user)

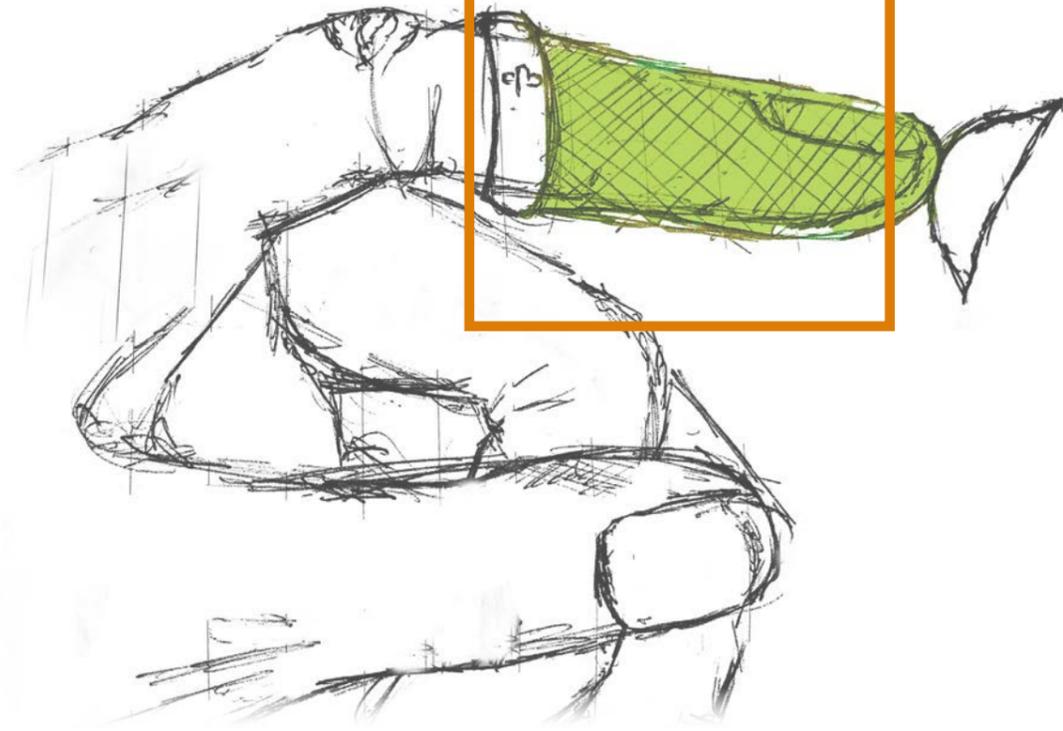


Bacteria from the mouth, skin and nose, in contact with the eye can cause anything from mild infections to pseudomonas aeruginosa- possible causing loss of sight.



"The hygiene routine when applying your contacts is very long and you have to be attentive; there are times where that just isn't possible"- Freya MacDonald (Contact lens user)

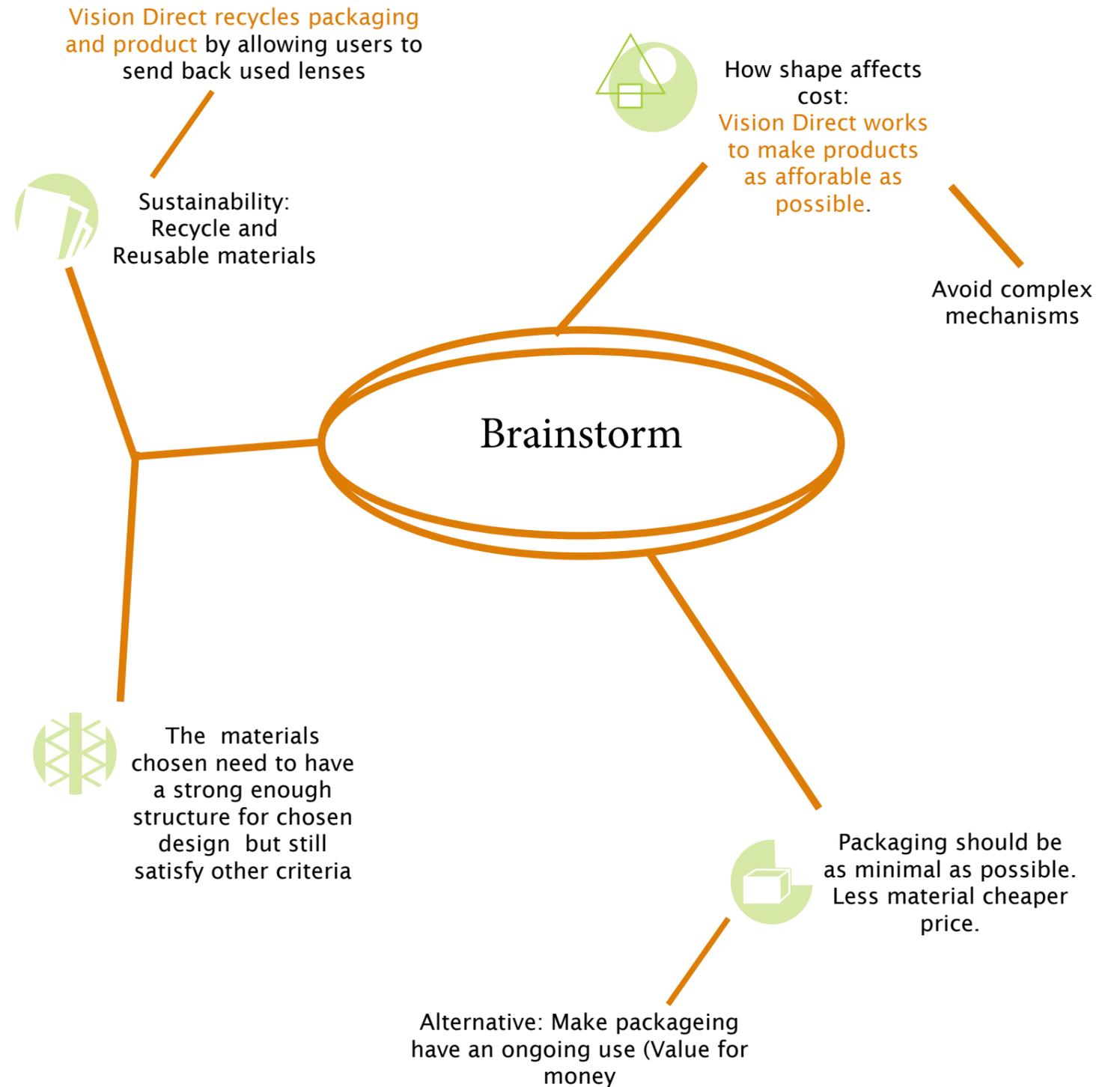
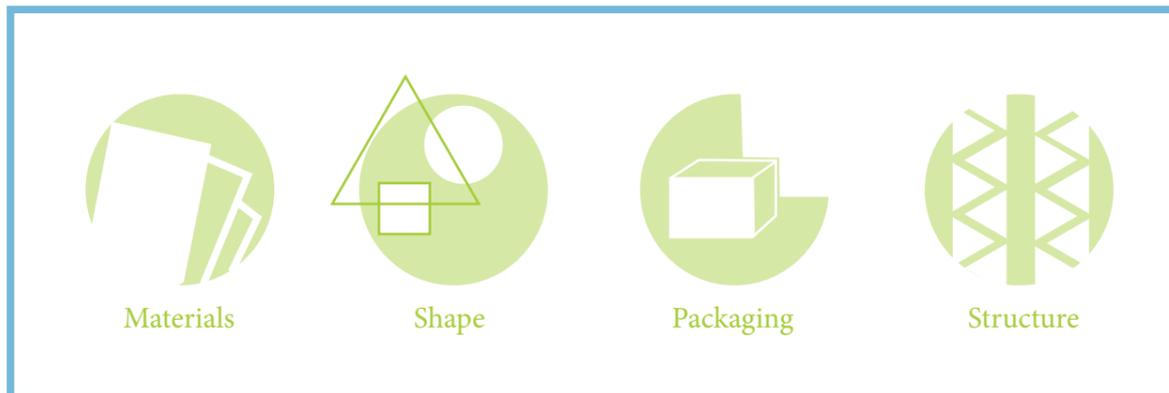
Concept:



The idea comes from the spontaneous need for sanitation. This could be after a bumpy journey on public transport or during a rugby match. The idea allows for a ring, holding a specific material, to coat the finger and act as a sanitised barrier that locks the germs/ bacteria on your finger instead of transferring it to the contact lens ensuring your eyes itch-free!

Area of application : **Lifestyle**

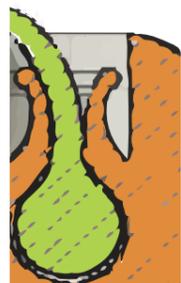
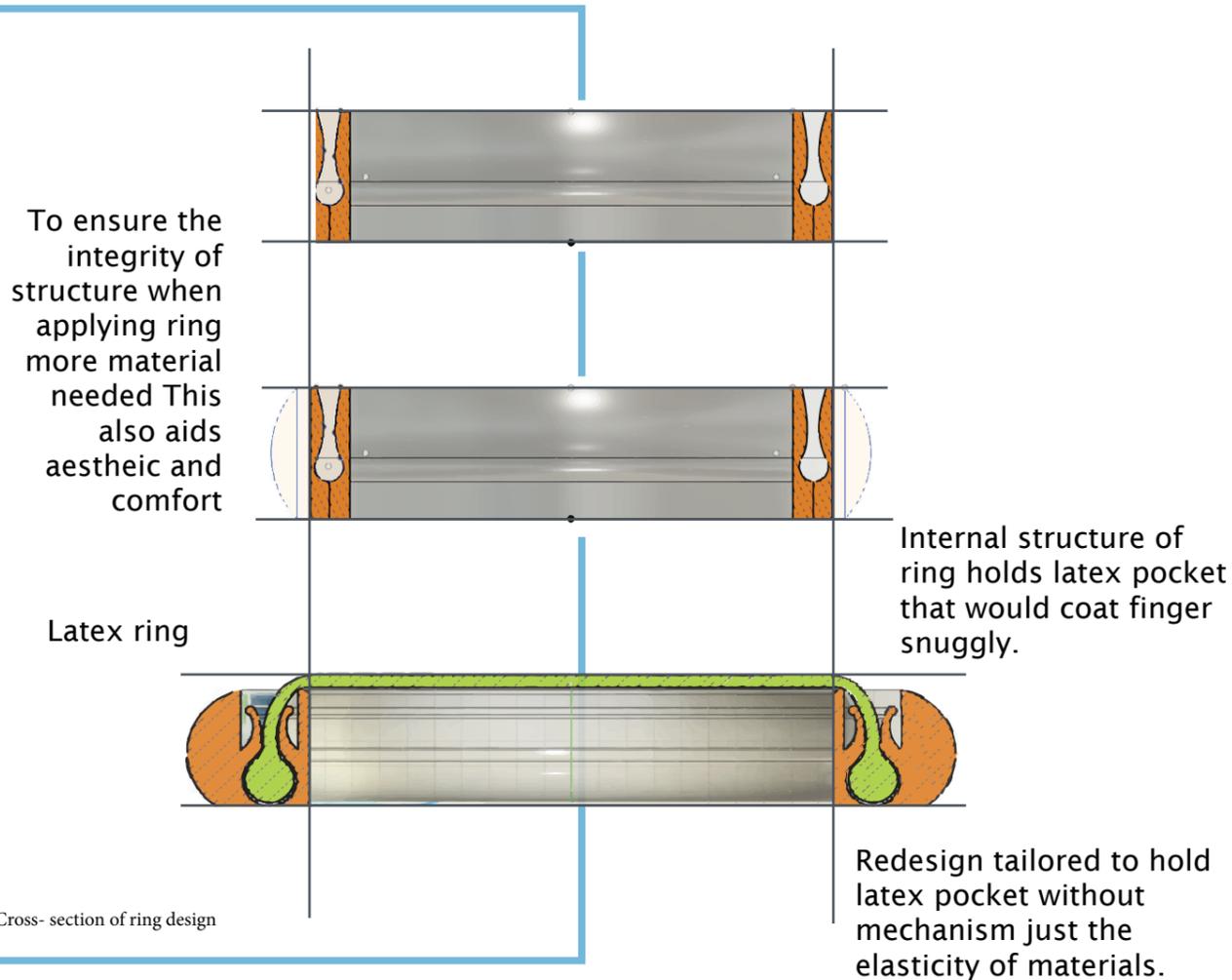
Concepts to Consider





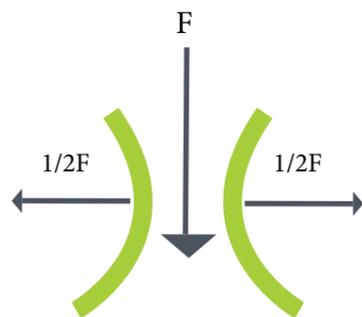
Ring Design

Designing the ring will allow the product to develop outwards, leading on to the casing and materials they are all made of.



The latex is replacable as it will wear with extended use.

Latex is able to pop in and out as it can compress to half it's size



F is the force needed to push the latex band through the opening. Arched gap allows ring shape to alter without compromising integrity of material

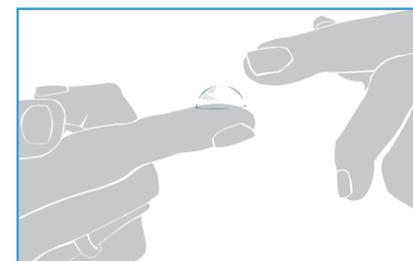


VisionDirect

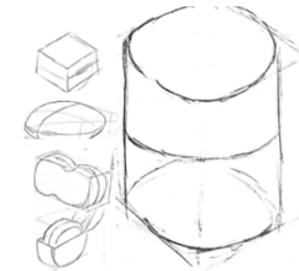
Case



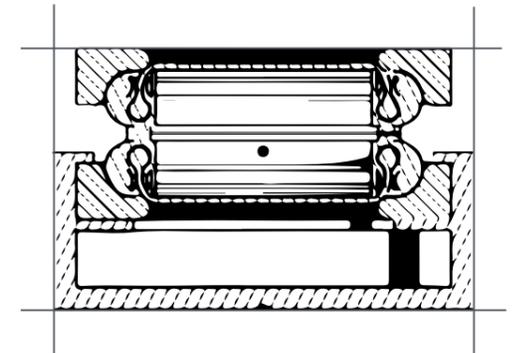
The case is to guarantee hygiene; so the rings are encased in a sterile place with minimal risk of contamination.



To apply contact, there is a transfer from one finger to another. TWO rings needed.

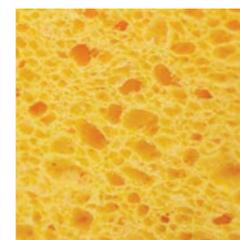


Casing needs to be a simple shape; tight sealed without too complex a mechanism.



The rings are to be fixed in position to avoid any contamination.

Materials



Cellulose Sponge
A more eco-friendly version of a polyester sponge.



Cork
Sustainable material.



3D Printing material (PLA)
Biodegradable and uses less energy when printing

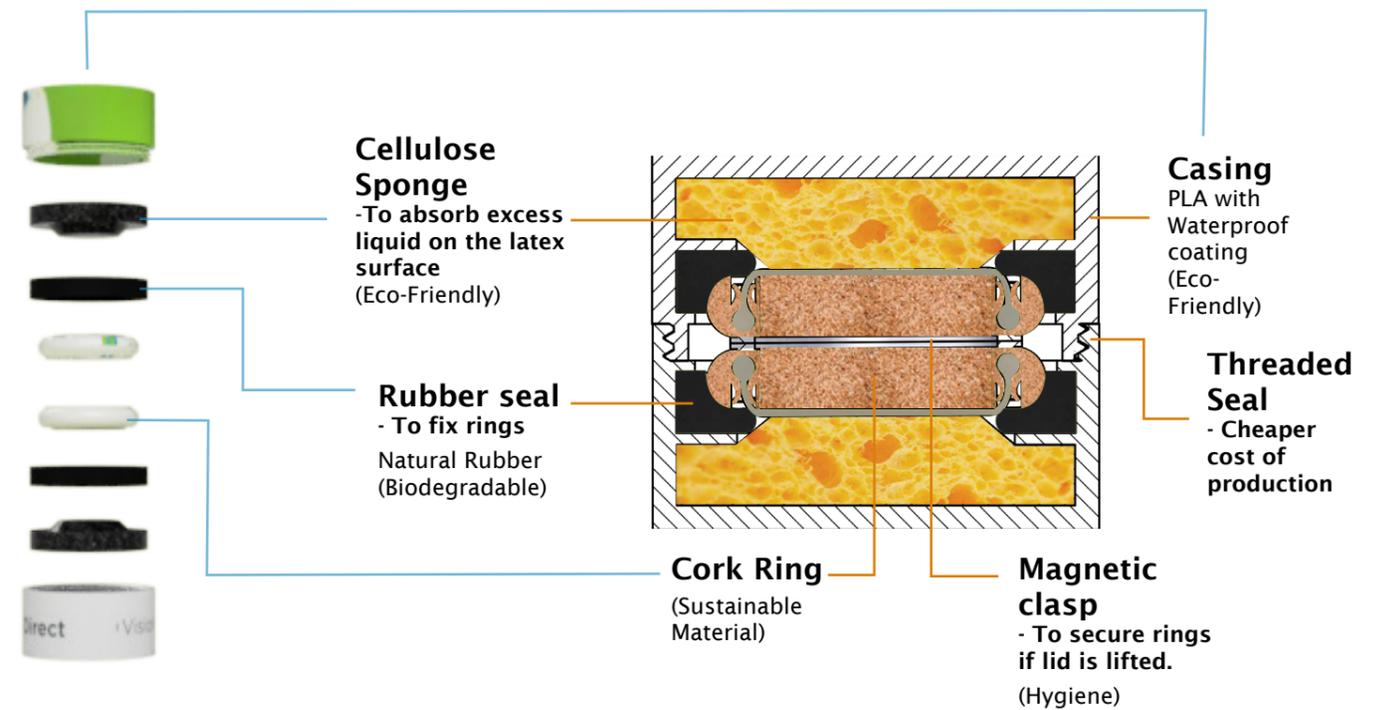


Natural latex
100% Biodegradable
service use 6-8 months

hyGO-rINGS

Ready for what life brings ...

hyGO-rINGS are an on-the-go product designed to ensure a hygienic application of your contact lenses when a washroom unavailable .



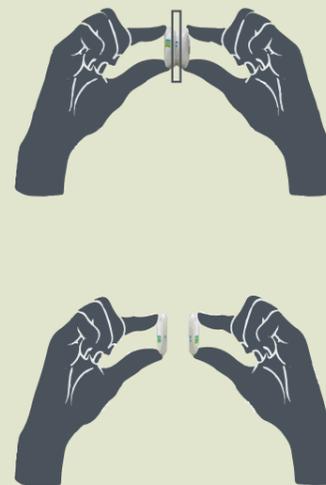
Using sustainable and/or eco-friendly alternative materials where ever possible .

Process:

Hold ring on its edge to prevent contamination



Magnetic clasp eliminates chance of losing a ring or it becoming contaminated



Apply a ring per Index finger



Ring comes in a variety of sizes