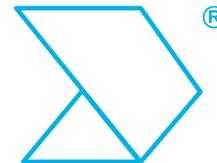


app lica tion manual



decal microbial free

Overlamine & Protection Film

app lica tion

manual

by decal



We want **microbial free** products to have **the most effective results** for you and your customers, **since the moment of application until its removal.**

For this reason, we have developed this manual in which we present you with the necessary care for all stages of the process.

1 before its application

how to store?

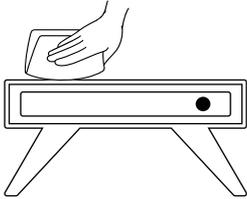
The **storage of microbial free lamination films** must be **done away from heat surfaces** (electrical and sunlight). Products can remain stored for one year, applicable only for the materials that have not been processed, under the following storage conditions:

- Environments with **temperatures between 20 ° C ± 5 ° C and 50 ± 5% of relative humidity**, without major climatic deviations.
- The storage area must be **dry and clean**.
- **Keep the material in the original** packaging when not used, in order to protect it from dust and contamination.
- Do not **expose to direct sunlight or sources of heat**.
- The product **must be stored vertically**, so that its quality is not compromised.

which surfaces are more suitable?

Free microbial lamination films are indicated for applications on smooth (non-porous), flat and slightly curved surfaces. They can also be used on objects with printings.

1 what care should I take?



cleaning the surface

Before starting the application of microbial free products, you should check the **characteristics of each substrate** and that the **surface is completely clean and dry**, making a test in a less visible area.

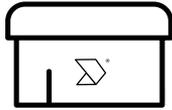
The **materials used for cleaning the surface must be degreasing** and, in the case of **objects with printings**, lamination must be applied after the indicated **time for the drying of the inks**.

Another **factor to consider is the requirements** of each location, namely those regulated for **sensitive environments**, such as hospitals and food preparation.

Finally, we recommend cleaning the **rolls of microbial free products** to remove any dust or other dirt that may have accumulated during transport or storage.

2 during application

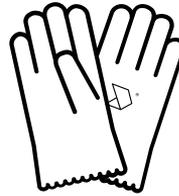
materials needed



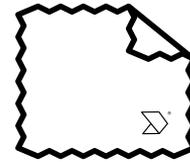
squeegee



cutter



gloves



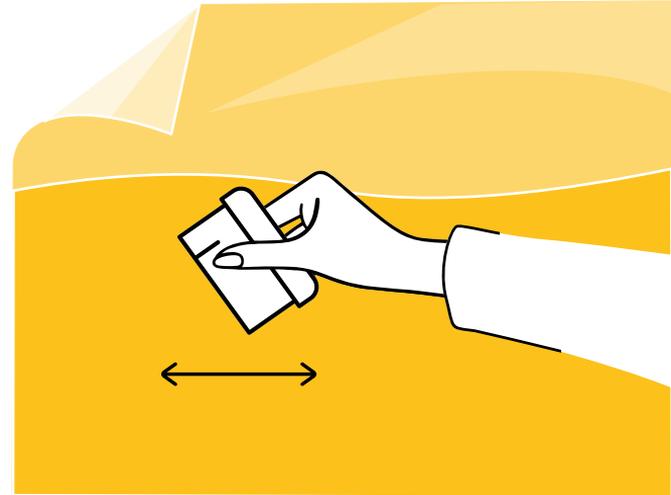
felt
(to cover the scraper)

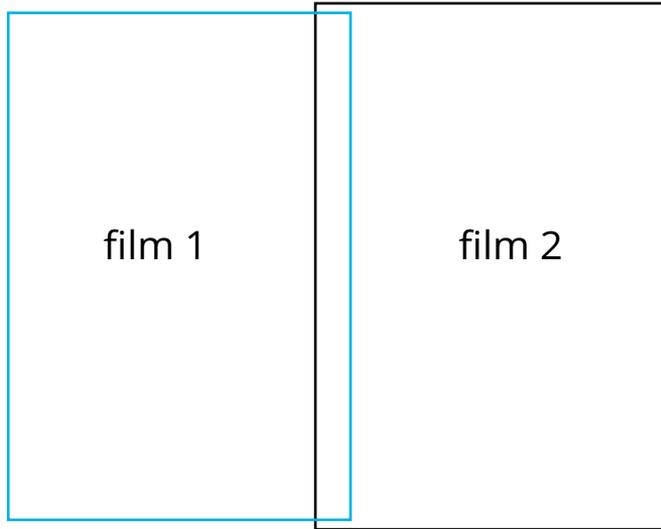


cotton gloves (for application in glass surfaces)

2 walls and doors

- 1** remove about **10cm form the liner and start the application from the top**
- 2** apply the film with a felt-coated squeegee, **forming a 45° angle** between the scraper and the vinyl surface
- 3** **move the squeegee** from the centre to the edges of the vinyl
- 4** **gradually remove the liner** and apply the vinyl



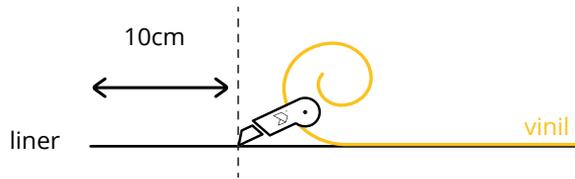


- 5** for corner applications, install the first film on the first wall **with a 2 to 3 cm overlap** on the adjacent wall and the second film on the second wall, continuing to the end
- 6** If the **surface coverage requires the application of different heights**, join the heights by installing the second film with an **overlap of about 1 cm over the next height** (first film)

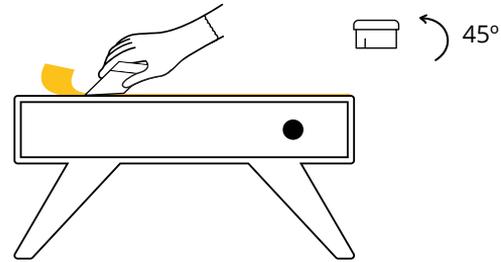
3 uniform and flat surfaces

 **tip:** for this type of application, we **recommend using a single vinyl piece.**

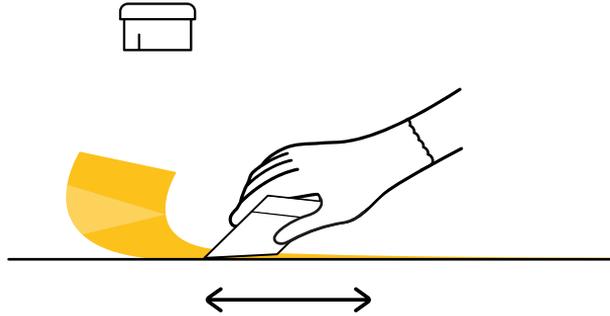
1 **cut the film** larger than the surface to cover the part that will be folded over the edge.



2 remove about 10 cm from the liner and **start the application from the corners**



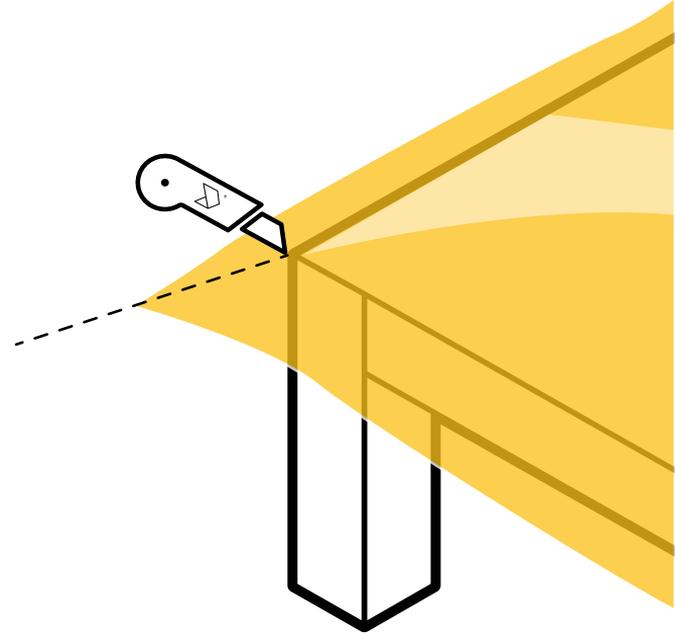
3 apply the film with a felt-coated squeegee, **forming a 45° angle between the squeegee and the vinyl surfaces**

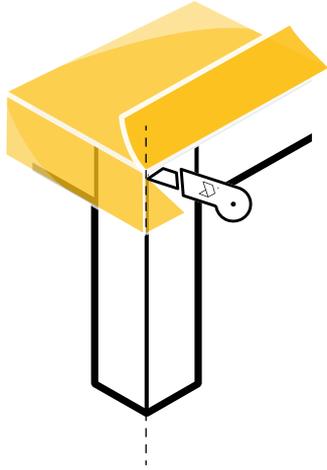


4 move the squeegee from the **centre to the edges** of the vinyl

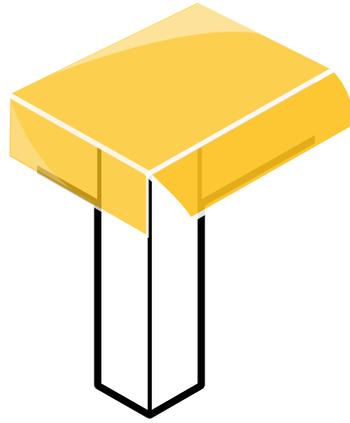
5 **remove the liner gradually** and apply the vinyl on the horizontal surface

6 the application of the vinyl in the corners starts with a **diagonal cut**, with a cutter, from the end

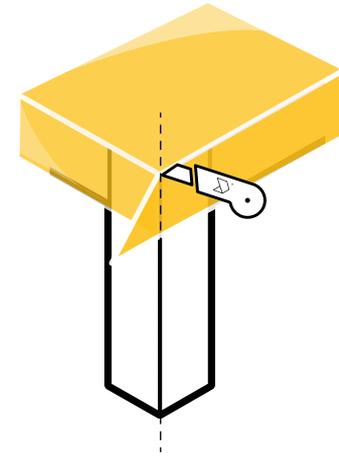




7 fold the film over the edge of the corner



8 cut the excess film with the cutter, leaving 1 to 2mm from the edge and cover the adjacent edge



9 apply the film to the second edge and line the corner with a slight overlap of the two films

10 apply the same method to the remaining corners

11 if the shape of the objects allows it, **fold 1 to 2 cm of the film under the horizontal part**

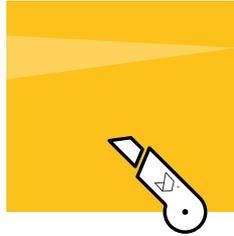
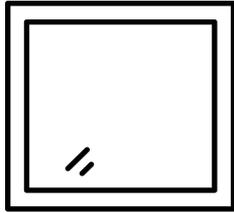
4 more demanding surfaces

 **tip:** the application must be done in parts and not all at once.

1 **start horizontally**, using the previous method

2 **cut the film at the end of the horizontal** part and use additional pieces of film to line the edges

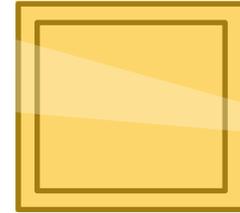
5 glass screens



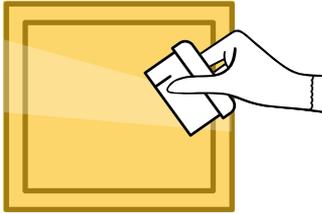
1 cut the vinyl into a rectangular shape, slightly larger than the screen



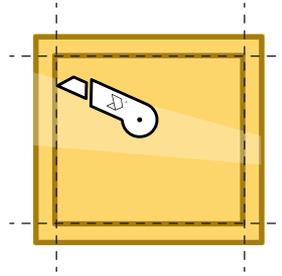
2 remove approximately 10cm from the liner and **paste the film on the edge of the screen**



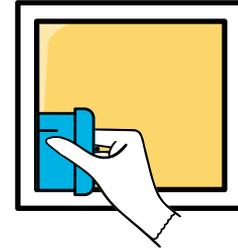
3 remove the liner completely and **position the film on the screen**



4 **start to apply** the film gradually and **evenly**, using a squeegee or your own hand (use cotton gloves)



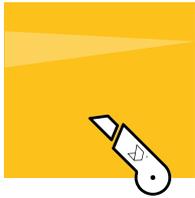
5 **cut the film**, without much pressure, with a cutter along the edges



6 **apply the vinyl to in the corners** with the felt-coated squeegee

6 door handles and windows

 **tip:** the application on this type of surface is done only on the straight part of the object.



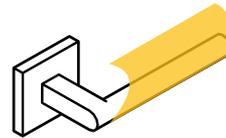
1 cut the vinyl into a rectangular shape

2 remove the liner



3 position the film at the bottom of the object

4 apply the film by hand to the back of the object



5 line the object by moving your hand from the left to the right across the entire width of the object



6 end with an overlap of approximately 2mm with the other part of the film on the back of the object

3 after application



cleaning and maintenance

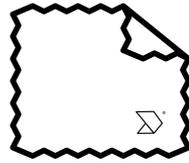
The **first cleaning should only be done 24 hours after application** in order to preserve the adhesive properties and ensure that it does not come off.

The film **must be cleaned or disinfected with non-abrasive materials**, as well as conventional detergents and products suitable for sensitive environments, including those recommended by the World Health Organization (WHO).

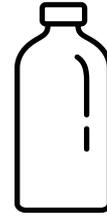
materials needed



hot air gun
(for substrates that allow
its use)



cleaning cloth



adhesive residue
cleaning product

removal

Whenever the substrate allows it, **the removal process can be done using heat**. As with the application of the films, we **recommend performing a test on a less visible part of the surface** at this stage.

- 1 on substrates that allow removal with heat**, heat the film with the hot air gun, starting in a corner, not exceeding the temperature of 60°C (laser thermometer)
- 2** lift the corner with the cutter and remove the heated film, which should form an angle of 70° to 80° with respect to the surface
- 3 removal should be done gradually**, heating small areas in a controlled manner to minimize residues, paying attention to the angle.
- 4** if residue remains, wipe the surface with a cloth dipped, with an adhesive removing product, until the surface is completely clean



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