



**surfex**

Surface Coverings with Excellence

**TECHNICAL  
GUIDE**

# APPLYING NOTICE

## Notice on applying film

### 1 Preparatory work

1. Check the type and surface condition of the film on which the film is to be installed, and check the problem areas before and after applying.
  - **MDF** : Due to the difference in applying adhesion and flame retardancy depending on density and surface condition, use MDF with uniform density.
  - **Iron plate (aluminum, iron, etc.)** : After removing the contaminants such as oil on the surface with solvent such as alcohol, check the damage on the surface caused by the solvent, treat the irregularities and welds with putty, polish the surface with sandpaper, remove the foreign matters with dust brush.
  - **Ready-made products** : Depending on the surface condition, the primer must be used to prevent shrinkage and dropout, and the adhered surface must be checked.
2. Before the applying, the customer should check the product selection (product name, pattern, appearance, flame retardancy) beforehand.
3. Film applying should be carried out after consultation with the painting/coating and painting/coating process after carpentry.
4. To ensure a stable working environment, check the humidity of the working site and keep the room temperature at room temperature (15 °C ~ 25 °C) as possible.
5. The section (cut) of the adherend (MDF etc.) where the film is to be applied should be polished with sandpaper.  
Especially, in the case of wood, if the surface condition of the bent part and the edge part is rough, it should be polished with sand paper or putty treated.

### 2 Primer treatment

1. Apply primer 1–2 times on the surface of wood (MDF, PB, etc.).
2. Since the cut surface of the wood has a high water absorption rate and the surface is uneven, it is necessary to apply the primer 2–3 times sufficiently.
3. It should be dried for at least 2 hours after application is complete. Especially in wet areas, it takes more time to dry.

### 3 Applying method

1. Once the primer coating is fully dry, polish the surface and section with sandpaper and remove the foreign material with a duster or brush.
2. **It may cause color difference between product LOT. Therefore, check product LOT in advance.**
3. The adhesive side of the interior film should be sanded, and we recommend using primer to reinforce adhesion.
4. Use Felt or Applicator to rub the surface thoroughly to ensure that it is fully adhered. If it is a single section, it should be squeezed with a strong force 2 or 3 times.
5. Interior film may cause shrinkage due to heat or shrinkage of MDF.

### 4 Specific Product Applying Precautions

1. **SC/SE (Artificial leather type) SW (Suede type)**
  - **Do not apply overlapped applying because there is a risk of peeling due to embossing depth and surface treatment layer during overlapping construction. In case of unavoidable overlapped construction, it is necessary to apply after oily primer treatment to prevent floating phenomenon. (We are not responsible for any defects caused by overlapping apply)**
  - Since the surface area of the product is weak, rubbing strongly during construction may damage the surface.
  - In order to maximize the visual effect of the product, it is necessary to check the type and condition of the adhering material beforehand and to remove the foreign substance and decontamination of the adhesive surface. Otherwise, it may cause deterioration of applying and deterioration of visual effects.
2. **SP**
  - Due to the design effect, the surface area is soft, so be careful when rubbing strongly on the surface as it may damage the surface.
3. **JG/JF**
  - It is a special product method using aluminum. It may cause peeling of surface layer due to desorption of film between overlapping applied parts.
4. **TG4018~TG4023 (Soft Matt)**
  - **The surface of the product is specially processed, and it has a feeling that it does not stick well when stacked / bent. When pressed enough, the adhesive surface stabilizes with time.**

### 5 Product storage and cautions

1. Avoid moisture and direct sunlight, and do not use it outdoors.
2. The surface may be discolored when exposed to sunlight or ultraviolet rays for a long time.
3. If the product is stored for a long time after unpacking, it may cause cracks on the surface of the product and adherence may be weakened.
4. When applying film, primer must use SOIF specific primer.
5. **The color of the film may vary slightly depending on the production date.**

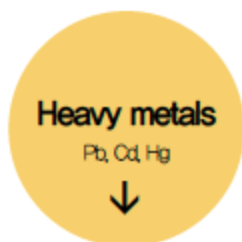
# ECO-FRIENDLY FILM

Our interior film is an environment-friendly surface finish that has passed various tests. We are always doing our best for the health and safety of our customers as well as expressing natural and diverse designs.



## Eco-friendly material certification

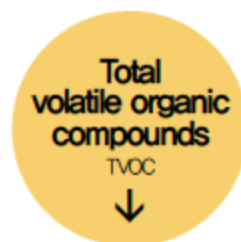
- Heavy metals (lead, cadmium, mercury) and formaldehyde (HCHO) emissions, which are harmful to the human body and known to be the major cause of sick house syndrome, meet the criteria of official agency.
- Minimizes the emission of total volatile organic compounds (TVOC, toluene) that are harmful to the environment.



Below standard  
(0,5 mg/kg Below)



Below standard  
(0,015 mg/m<sup>2</sup>h Below)



Below standard  
(0,4 mg/m<sup>2</sup>h Below)



Below standard  
(0,080 mg/m<sup>2</sup>h Below)



## Use environmentally friendly plasticizer

- It is safe to use environment-friendly plasticizer without using harmful phthalate raw materials.



- DEHP → 0.1 % Below Not detected
- DBP → 0.1 % Below Not detected
- BBP → 0.1 % Below Not detected


## Excellent flame retardancy & Safety




- It is a product that passed strict fire-prevention inspection of the FIRE INSTITUTE\*. It protects the life and property of customers with excellent flame retardant performance and safety.




- Carbonization length → 20cm Below TEST passed
- Carbonization area → 30 cm<sup>2</sup> Below TEST passed
- Residual fire → 3 second Below TEST passed
- Residual flame → 5 second Below TEST passed
- Smoke density → Max Ds=200 Below TEST passed

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