

Surfex Interior Film Product Bulletin



■ PRODUCT DESCRIPTION

Surfex Interior Film has a wide range of self-adhesive architectural films designed to resemble authentic looks of natural material, warmth of wood grain, sleek feel of metal, cool of natural stone and hundreds of other designs. It is to cover all types of the surfaces, such as wall covering, furniture, fixture, ceiling, door, elevator and other interior applications at caseworks of renovation and refurbishment. Surfex Interior Film offers over 500 collections for decoration and surface finishes. Applying a film is highly cost effective and converts given existing assets to reflect an entirely new design with abstract or colored finishes in quick and easy ways

■ PRODUCT CHARACTERISTICS

01 Structure

- Conformable polymeric calendared PVC
- Finishes: wood, leather, marble, natural stone, glitter, metallic, fabric, solid colors
- Thickness: **Average 0.42mm** (depending on references & **emboss**) ***including released paper.**
- Width 1,220 mm / Lengths in 50m and 30m
- Tear resistance: width 5,1 kg/cm / length 0.6%
- Elongation: 220% maximum (on stretchable references)
- Dilatation after 48 hours at 65°C
 - Width: 0.9% / Length: 0.6%
 - Width: 262 kg/cm / Length: 230 kg/cm

02 Benefits

- INDOOR BUILDING MATERIALS TESTED
Granted for indoor use only (Formaldehyde, toluene, volatile organic compounds TVOC, etc)
- Tested negative on three kinds of emissions to determine their suitability
- Anti-bacterial treatment in selected models
- Easy and quick maintenance
- Stretch ability (on some models)
- Anti-scratch treatment (on some models)
- UKCA and CE Tested - Fire Certificated
- Gas-free, formaldehyde and eco-friendly building materials, tested & verified (ENAC Verification Number 2019AN3043)

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COMPOSITION INFORMATION

Component	% By Weight
Polyvinyl Chloride	74~78%
Diocetyl Terephthalate	14~18%
Stabilizer	2~4%
CaCO ₃	1~3%
Others	3~5%

HANDLING & STORAGE

01 Precaution of safe handling

- Do not drop a carton, store with end caps
- Always handle with care, product edges may be sharp; use caution at handling
- Use products within 3 years from production dates
- Installing at high or low temperature may harm coating, adhesive performance

02 Ideal storage condition (including any incompatibilities)

- Clean and dry environment
- Ideal storage at 10 to 25°C
- Do not store outside, near hazardous chemicals, no direct sunlight or in humid environment
- Stack in a maximum 6 cartons high

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Printed interior vinyl with special color, structure, pattern and finishes
Property	Solid
Odor	Solvent base PVC and adhesive

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■ STABILITY & REACTIVITY

Chemical stability and the possibility of detrimental reaction

- Stable at room temperature, toxic gas may occur decomposing at high temperature
- Parts of material may be burnt down but it doesn't ignite easily. Conditions to avoid: ignition source such as heat, spark, flame

■ INSTALLATION GUIDE

- Do not install films at high or low temperatures (check recommendations)
- Fill any holes or gouges with non-water-based filler. Assure that any filler is fully cured before proceeding.
- Finish thoroughly with sandpaper for cross section parts where films to be applied (MDF etc.)
- In particular, if the material is wood (MDF, PB, etc.), the smoothness of an edge or crevice is very important.
- At primer treatment, a cross section of wood (MDF, PB, etc.) tends to absorb more primer than other parts. Thus spray at least 2 or 3 coats of primer.
- Once primer is applied, it should be completely dried (check recommendations)
- It is possible there may be some color difference between product lots, so it is necessary to classify lots.
- Stretching or attempting to reposition the Product during application may deform, buckle, or ripple the Product.

Non-compatible Application Surfaces

- Brass, Copper and other corrosion-susceptible metals
- Non-sealed concrete, stone, drywall, including skim-coat
- Other porous substrates



■ MAINTANANCE

- For daily care, use only neutral pH detergents, no abrasive acidic or strong pH checmicals
- Eliminate stains, use isopropyl alcohol and water can be effective
- Use soft clothes or sponges to clean stains

■ REMOVAL

The following removal techniques can be tried, but the level of effort required and end results will vary

- Make Product cuts about 10 cm apart, ensuring no damage to the application surface
- Optionally, use a heat gun set to 66°C to 93°C to soften the Product's adhesive
- Immediately pull the heated section of Product down at about a **180 degree** angle
- Heat more Product and continue pulling.