

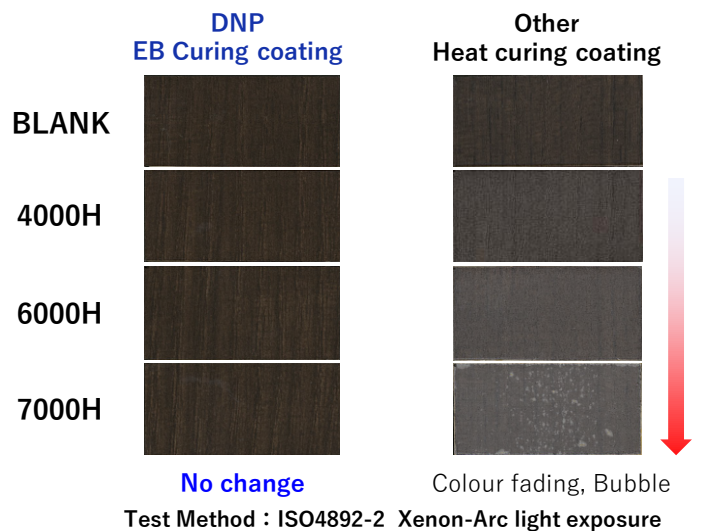
# DNP Safmalle for Exterior

**DNP**

DNP Safmalle for Exterior is a high-quality decorative film suitable for exterior applications, including doors, windows, and facades. Our unique EB topcoat, developed by controlling the formulation of weather-resistant agents and the cross-linking density of the coating film protects colours and designs from fading due to UV radiation or other weathering effects. With over 15 years of production experience in Japan, our product is free from dangerous VOCs and substances such as formaldehyde, toluene and xylene. It is also 100% PVC-free, and we avoid using PFAS which have environmental concerns.

## Weather resistance test result

DNP Safmalle for Exterior offers excellent weather resistance performance in exterior application through EB technology.



## Specifications

**Film width :** 1240mm

**Thickness :** 140µm

**Roll length :** 300lm – 500lm

**Substrate :** Aluminum, Metal substrate

**Remarks :** Primer applied on the back side of the film Sheet. Compatibility of the glue and the primer needs to be examined during the manufacturing process.



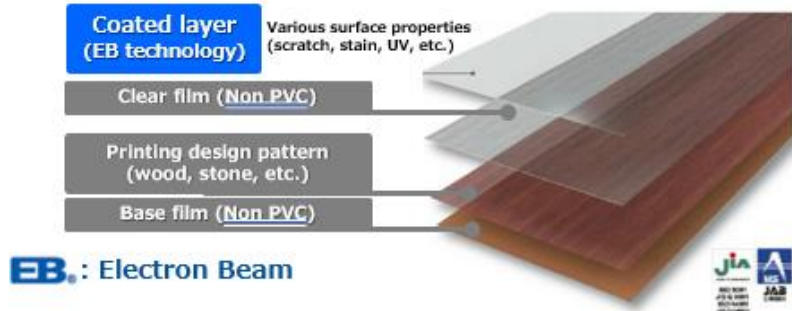
## Design Range

DNP Safmalle for Exterior allows us to create various designs with innovative textures that addresses limitations associated with natural materials.

## Features

### DNP Safmalle for Exterior film structure

- PVC free and environmentally friendly (polyolefin film base)
- Various structures and designs
- High durability and weatherability



### Features of EB technology

DNP achieved superior surface properties by original EB coating technologies. It also saves energy, cuts off CO2 emission and eliminates the solvent.

		Heat Curing	UV Curing	EB Curing
Features	Cross-linked Structure	Two-dimensional Cross-linking	Two-dimensional Cross-linking	Three-dimensional Cross-linking
	Catalyst	Necessary (Isocyanate)	Necessary (Photoinitiator)	Unnecessary
	Anchoring or Bonding	Poor	Fair	Good
Surface Physical properties	Solvent Resistance	Good	Good	Good
	Stain Resistance	Good	Good	Good
	Scratch Resistance	Poor	Fair	Good
	Persistence of Function	Poor	Fair	Good
	Weathering Resistance	Fair	Fair	Good

## Applications

## Exterior

DNP Safmalle for Exterior can be laminated and formed on to various applications. Columns & Pillars / Facades , Eaves Soffit / Claddings / Louvers

