

// Paint Protection Film

LG Hausys V-Guard Film is a highly conformable cast PVC film for protection of car exteriors with a superb transparency and gloss finish.

■ Features

1. Excellent Finish

Ultra clarity and high gloss surfaces



2. Easy Handling

100 μ m ducal cast film provides easy stretching and positioning



3. Outstanding Performance

Self-healing Technology (within 1 min)



■ Characteristics & Properties

Property	Specification	Test Method
Thickness (Including adhesive)	140 μ m \pm 10% (100 Series)	Micrometer
Tensile strength	\geq 1.8kg/cm	ASTM 882
Elongation	\geq 200%	ASTM 882
Peel adhesion(24hrs)	\geq 1,000g/in	180 peeling PSTC-1
Application temp.	\geq 10 $^{\circ}$ C	18 to 25 $^{\circ}$ C optimum, on clean substrate
Durability	5 years	Vertical Exposure
Gloss level : Gloss	80 \uparrow	@60, in Machine Direction (ASTM D 2457)
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (100 $^{\circ}$ C Oven, 2hr , Average)
Release liner	PET Liner	
Release liner thickness	0.50mm \pm 10%	Micrometer

Recommendation



Shelf life

Shelf life is 12 months from factory shipment.

Storage condition: Free from excessive moisture, temperature, direct sunlight (20 °C x 50% R.H)



Durability

Durability is based on unprinted film vertical exposure

Please see Durability guide of LG Hausys (www.lghausys.com)



Lamination Film

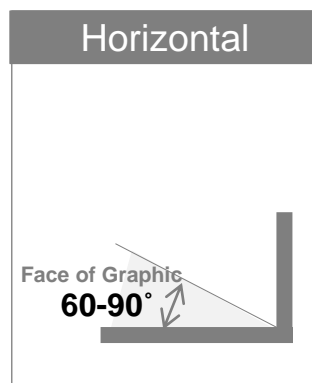
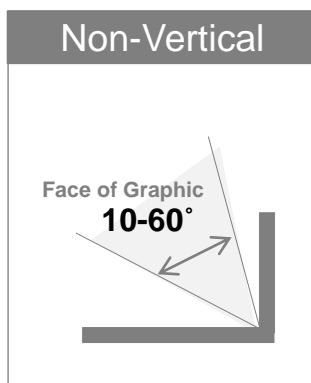
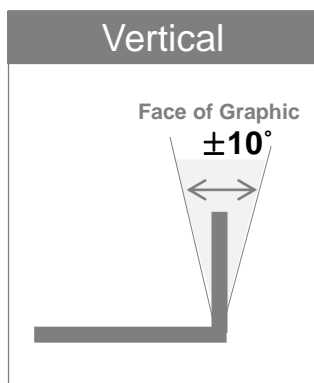
Not Applicable

Durability Guide



Durability Period & Exposure Conditions

Exposure to	Durability period		Examples (5 years product, Zone 1&2)
	Zone 1 & 2	Zone 3	
Vertical	100%	50%	5 years × 100% = 5 years
Non-Vertical	60%	30%	5 years × 60% = 3 years
Horizontal	30%	15%	5 years × 30% = 2 years



Please refer to LG Hausys durability guide of zone 1,2 and 3. (Zone system chart)