

## ATP Guard

**Product: GL- 410 P G**

### Product Description:

High quality optically brilliant glossy Polymeric REACH and RoHS compliant PVC for lamination of various print media. Suitable for long term outdoor and indoor light box applications. Particularly suitable for applications requiring very high clarity. Furthermore this laminate can be used to protect UV printed medias.

### Product structure:

Support	Soft-PVC-film, 70µm, polymer
Interliner	One side siliconised surface-coated paper, white, 63 g/m <sup>2</sup>
Adhesive	pure polyacrylic , permanent, transparent
Total Thickness	0.1 mm
Adhesive weight	30 g/m <sup>2</sup>

### Characteristics:

		Average Value	Test Method
Adhesion on steel:	(after 24 h)	11 N/25mm	AFERA 5001
Dimensional Stability:	MD	< -3%	FTM 14
Dimensional Stability:	CD	< 1.5%	FTM 14
Gloss Units 60°		~80	DIN EN ISO 2813
Flammability:		B1	DIN 4102

## Environmental Performance:

### Chemical resistance:

Conditions	Appearance
24h at room temperature and 4h in propanol	no change
24h at room temperature and 48h in water	no change

### Temperature resistance:

Conditions	Appearance
24h at room temperature and then 24h at 80°C	no change
24h at room temperature and then 24h at -40°C	no change

### Humidity resistance:

Conditions	Appearance
24h at room temperature and then 24h at 38°C and 98% humidity	no change

<b>Application temperature:</b>	min. +8°C
<b>End-Use Temperature range:</b>	from -40°C to +90°C
<b>Shelf life:</b>	2 years (see application information)
<b>Durability:</b>	5 years

The estimated durability is based on accelerated ageing tests and refers to a vertical exposure under middle European climates. The durability of the product depends on the substrate's preparation, the atmospheric conditions and the environmental influence. Exposure to extreme conditions (tropical climate, high humidity, high UV-light exposure or polluted areas) can decrease the durability in a dramatically way.

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