



## PANORAMA INNOVA ICE

panoRama Innova Ice is a perforated pressure sensitive window film designed for outdoor applications at cold. The clear special adhesive provides high temperature resistance and allows to apply the film at extreme cold. panoRama Innova Ice is made of calendered vinyl with clear, semi-permanent adhesive and has a B1 certificate.

### Durability

Up to 3 years in mid European conditions. Clean removal within 6 months. Tack may increase over time. Not to be applied on: fresh paint or ink, polycarbonate, certain PVC (no exhaustive list). For critical substrates, please test prior to application.

### Printing method

Solvent, eco-solvent, screen printing and latex inks.

### Shelf life

1 year, stored at +15 to +20° C (+59 to +68° F) and relative humidity between 45% and 65%.

### Warranty

Continental Grafix products are warranted to be free of defects in material and manufacture at the time of shipment and to meet the specifications stated in the technical specification sheets. We will replace or refund the price of any Continental Grafix materials found to not meet our product specifications. In no case shall Continental Grafix be liable for any direct, indirect, or consequential damages, including labor or non-Continental Grafix materials charges. The determination of suitability of this product for any specific use is solely the responsibility of the user. No representations, guarantees or warranties of any kind are made to the accuracy of suitability for specific applications.



### Advice

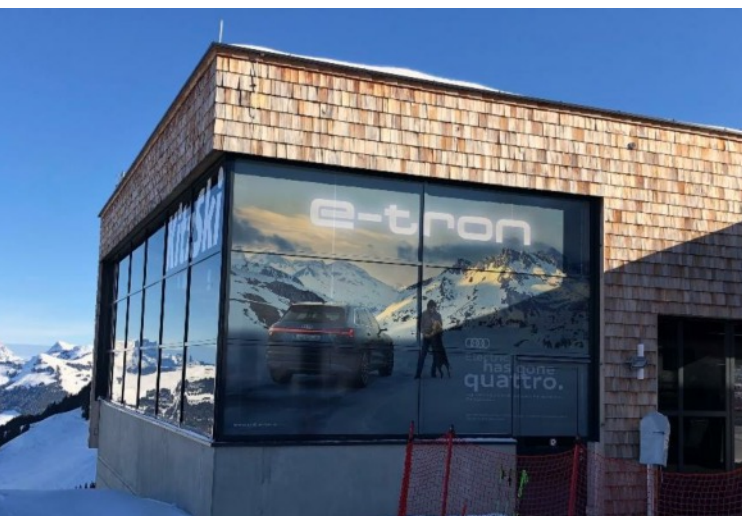
Prevent from contact with solvent or ammonia based cleaner. Clean window with soap and water. Rinse and dry glass after cleaning. ALWAYS clean and dry glass prior to application. Please respect our application instructions. made to the accuracy of suitability for specific applications

### Uses

- Shop windows
- Building wraps
- Rear or side windows of busses and cars

### Features & Benefit

- Removability up to 3 years under normal conditions (6 months without residue) (Temp. +10°C)
- Calendered vinyl features great dimensional stability
- Designed to be combined with the over laminate panoRama Cast or Protect



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**Technical information**
**panoRama Innova Ice**

Size	Width: 1.372 m      Length: 25.00 m, 50.00 m, 200 m, 400 m	
Material	Self-adhesive, perforated vinyl film. Printable white front side and black reverse side for maximum contrast.	145µ +/- 10µ
Adhesive	Removable, semi-permanent clear adhesive	
Open area Printable area	40% open area 60% printable area	
Liner	Paper liner	135g +/- 10µ
Certificate	Flammability	B1
	TÜV Approval Germany	~ D5742 with panoRama Cast ~ D5743 without panoRama Cast
	Humidity resistance	good
	Solvent resistance	good
	Fire protection in railway vehicles	DIN EN 45545-2
Application	Application temperature	-15°C to +50°C (+5°F bis +122°F)
	Removal recommended at +10°C or more. In critical cases, please test prior to removal on corresponding surfaces to avoid residues	+10°C bis zu +30°C (+50°F bis +86°F).
	Temperatur resistance	- 25°C bis zu +70°C (-13°F bis +158°F)

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