



OneWayPro® CAST 050 Ultraclear Lamination

TECHNICAL DATA SHEET

Cast ultraclear PVC film 50 microns with an ultraclear permanent solvent-based adhesive and a 50 micron polyester liner.

Specifications:

The **OneWayPro® CAST 050 Ultraclear Laminate** is recommended for long-term protection of OneWayPro® one-way vision films. The laminate provides protection against dust, pollution, water and UV light and ensures that the perforations remain open, maintaining the transparency of the microperforated film. The laminate also facilitates removal of the one-way vision film in one piece.

Good dimensional stability.

Very good transparency.

Very good adhesion.

Good resistance to abrasion and automatic washing cycles.

Uses:

When laminating printed films, inks must be completely dry and must not contain silicone. A drying time of approximately 24 hours after printing is recommended. The OneWayPro® CAST 050 Ultraclear Laminate is compatible with screen and digital printing, as well as solvent, eco-solvent, mild-solvent, latex and UV inks. For UV inks, adhesion may vary depending on the printing system, therefore testing is recommended.

Remarks:

During lamination, ensure that the tension of the one-way vision film and the laminate is identical. The application of laminated films must not be carried out using application fluid or water.

Certification:

- Germany: Allgemeine Bauartgenehmigung (ABG) – D 5670 (with GOLD-PAP-64 one-way vision film)

Durability:

The durability of the product can be up to 10 years depending on exposure conditions.



Storage:

2 years – between 15 and 25°C and a humidity of 45 to 55% in the original packaging.

Transport:

The OneWayPro® film can be wound during transport, with the image facing outward, with a minimum diameter of 15 cm.

Adhesion:

Quick tack on glass: 15 N/25 mm $\pm$ 2.5 N/25 mm (FTM 9)

180° peel strength on glass after 20 minutes: 11 N/25 mm $\pm$ 2.5 N/25 mm (FTM 1)

180° peel strength on glass after 24 hours: 14 N/25 mm $\pm$ 2.5 N/25 mm (FTM 1)

Application temperature: 10° to 40°C

Operating temperature: -20°C to 80°C

Instructions for use:

You will find a file on our website under the tab "Tips for use" with important information for the use of our products.

Product references:

CAST 050 UC	50 μ m	PET Liner	1.05 x 50	CAST-050-UC-105050
			1.37 x 50	CAST-050-UC-137050
			1.52 x 50	CAST-050-UC-152050

Note:

The information contained in this brochure is based on laboratory tests and experience we have gained in practice. They could not provide a legal guarantee. A preliminary test on the material is to be made. Sustainability is estimated from the exposure conditions in Central Europe. The actual life of the product depends on substrate preparation, exposure conditions and maintenance of the marking. We can expect performance degradation outside when the films are exposed to the south, if they are applied in areas where the temperature is often high as countries of southern Europe, or in polluted areas.