

SV580H Self-adhesive PVC film 90µm

- Description:** Self-adhesive, glossy white polymer PVC film 90µm with a particularly strong solvent-based acrylic adhesive.
- Application:** For indoor and outdoor advertising on flat surfaces. The product can also be used on difficult-to-bond substrates and slightly textured surfaces. The film also adheres to low-energy surfaces such as ABS plastic.
- Inks and printers:** For printing systems with solvent ink, eco-solvent ink, UV ink, latex ink.
- Printing:** Allow the material to acclimatize in the printer room for at least 2 hours at room temperature (> 20°C). The print side should face outwards. Ensure a dust-free printing environment and avoid fingerprints on the print surface by wearing cotton gloves.
- Lamination:** Suitable for cold lamination up to 60°C. Make sure that the print is well ventilated before laminating (approx. 48 hours with the film open). Use a polymer laminate or a laminate with the same technical properties.
- Adhesion:** Suitable for bonding to smooth and textured surfaces. Ensure that the substrate is free of dirt, grease, silicone, and similar substances, that the installation temperature is maintained, and that the pressure has evaporated well (approx. 48 hours with the film exposed). Despite the strong adhesive strength, carry out adhesion tests on painted and textured surfaces to check the suitability of the material. When bonding to walls, concrete, and similar surfaces, follow the special processing instructions and ensure that the surface is dry and clean (no loose paint, wall debris, loose plaster, etc.)⁽¹⁾.
- Storage:** Store the material immediately after printing to avoid contamination and wrinkling. Repack the material in the protective film and store the roll upright in a light-protected and dust-free environment at up to 50% relative humidity and 21°C room temperature. The shelf life is 12 months.

Technical Data:

Feature	Value	Method
Thickness of film and adhesive	~ 90µm	Federal Bench Type
Adhesive strength	0.89 kg/cm	PSTC-1, 15 min at 21 °C
Dimensional stability	1.27 – 3.81 mm	Shrinkage at 70° C after 48 hours
Gloss	40–60 units	Gloss meter 60° reflection
Tear	2.3 kg	Tensile tester (with 51 mm span; crosshead speed of 5.1 mm/s, track direction)
Elongation	> 150	Instron Tensile Tester (as above)
Liner removal	9.8 g/cm	TLMI release at 90°, 760 cm/min
Outdoor durability, unprinted *	Up to 5 years on smooth substrates ⁽¹⁾	For vertical bonding, Central European climate
Temperature range during installation	-1°C to+ 27°C ⁽¹⁾	Optimum. On dry, clean surface
Temperature range for service life	-54°C to+ 107°C	On dry, clean surface

^{°(1)} On walls, cement, and similar surfaces, the outdoor durability is up to 6 months.

These specifications are reduced in high humidity and temperatures below 0 °C. The surface temperature on these substrates must be at least +10 °C. At application temperatures below 13°C, a hot air gun or similar should be used.

Note:

The technical data refer to the unprinted material. Our information does not release you from conducting your own tests to check suitability for your application. We have no influence on the properties and durability of the inks; please also note the instructions of the printer manufacturer. The data sheet is based on manufacturer information; Alphaset accepts no liability. Subject to technical changes and typographical errors. Version September 2021.