

PRINT AND PEEL

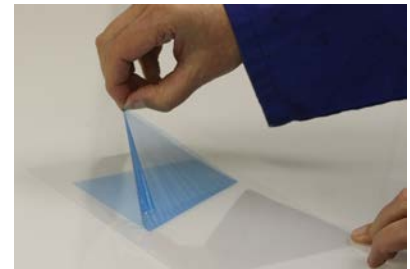
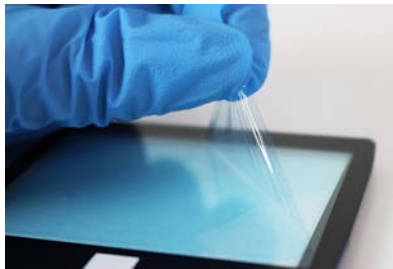
Product Data Sheet

Screen Printable Protective Mask



DESCRIPTION

Print and Peel offers a cost effective and convenient method for protecting substrates, printed windows, PVC labels and gloss graphic inks from scratches and scuffs during and post production. **Print and Peel** has been designed to be selectively printed onto a range of surface finishes to act as an easily removable protective mask.



PROCESSING GUIDELINES

Process Guidelines	
Print & Peel is suitable for the protection of	All MacDermid Autotype substrates Printed windows Polycarbonate PVC labels Gloss graphic inks
Preparation	Stir well before use. It is important the mesh is thoroughly degreased with Universal Mesh Prep or equivalent product. Failure to do this may result in Print and Peel not forming an even film over the mesh during drying.
Recommended Thread Count	34 to 77 threads/cm. A finer mesh may produce prints containing less air but will reduce the dry film thickness and may make the film more difficult to peel on some substrates.
Recommended Stencil	A suitable water-resistant photo emulsion e.g Autotype Plus 7000 or Plus 8000 (To prevent edge residue during peeling, ensure printed edge is clean and sharp. A high stencil profile and low Rz is recommended.)
Coverage	Approximately 22m ² /kg under recommended printing conditions
Optimum print thickness	Aim for a printed thickness of 10 - 15µm. Thin prints may be harder to remove.
Print speed	Slow, between 20 to 25 cm/s



PROCESSING GUIDELINES CONTINUED

Process Guidelines	
Recommended Squeegee type	Sharp blade, synthetic. Heavy flood improves printability.
Squeegee hardness	60 – 70 Shore A
Squeegee angle	High angle 70° to 80° (10° - 20° from vertical).
Thinner	The product is designed to be press ready. If thinning is required, 5% water addition is recommended
Drying	Jet dryer 80-90°C; 1-2 minutes. Some thermally sensitive substrates such as PVC may require lower drying temperatures for a longer time period. For best edge quality, jet dry as soon after printing as possible. It is normal for the finished product to contain air bubbles; these do not affect the product's performance
Wash Up	Warm or hot water. Rinse in washout booth.
Environmental Information	Print & Peel is a water-based dispersion of polymers. It is not harmful and may be regarded as biodegradable. It contains no materials listed on the EC Black or Grey lists
Shelf Life	Print & Peel has a 9-month shelf life. Storage conditions 15 - 25°C (59 - 77°F). If the product freezes it will be unusable

HINTS AND TIPS

Hints and Tips	
Printing on Autotex Softouch	As with our other Industrial films, Print & Peel can be used to protect window areas on Autotex Softouch from damage during processing. The fine textured surface of Softouch does have a higher level of mechanical grab to Print and Peel and we advise the following process recommendations: <ul style="list-style-type: none"> • Print thicker or multiple layers to increase the inherent strength of the Print and Peel film, • Avoid contact of the Print and Peel with the Softouch surface by reducing the area of the Print and Peel and allow for an unprinted border around the window. Or, • Print to an exact size over the window for the same reason.
Printing on metals and matt inks	Print & Peel may be difficult to remove from some metal surfaces and from some matt inks. Adhesion performance of inks and lacquers applied to surfaces which have previously been printed with Print & Peel may be altered. Full testing is recommended.



HINTS AND TIPS CONTINUED

Hints and Tips	
Over drying	Exposure to temperatures greater than 90°C for periods longer than the recommended drying time, and direct exposure to high intensity UV light from curing units will increase the adhesion of Print & Peel to some substrates. Full testing is recommended.
UV exposure	

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Autotype
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