

FootPrint™ HT Adhesive

Product Data Sheet

PRODUCT DESCRIPTION

FootPrint HTA is a high performance, double-sided, pressure sensitive adhesive on a 50µ opaque white polyester carrier film. The first surface has a dry mounting solvent acrylic laminating adhesive, offering permanent adhesion to the face film. The second surface has an adhesive which offers strong cohesion to floors and other surfaces but is also repositionable and removable. FootPrint HTA has a wide variety of uses including cladding and application to plastics for self-adhesive labels and bond graphic overlays.

Construction



Product range:

Available in rolls:

- 1m x 30m
- 1.23m x 50m

Designed for use with:

- FootPrint Plus
- FootPrint UVjet
- FootPrint Screen

Also compatible with SIGMAGraF films (non floor applications)

PRODUCT APPLICATIONS

The FootPrint system is designed for the production of durable floor and cladding graphics.

- Exhibition and retail floor graphics
- Indoor floor and wall signage
- Point-of-purchase displays
- In-store Decoration & Cladding
- Floor mapping

Major Benefits

- Clean, simple removal up to 6 months after application
- Permanent adhesion to graphics
- Easy to lay and re-position

- Global market leading technology

PRODUCT PERFORMANCE

- No yellowing of the adhesive
- Good adhesion to a variety of smooth substrates
- Moisture stable liner

Physical Properties

Property	
Opacity	0.85
Thickness	100μ
Carrier Thickness	50μ
Unwind Force	5 cN / 50mm
Release Value	15cN / 50mm
Adhesion to Stainless steel	750 cN / 20mm
Creep on BA-steel	0mm
Shear	180 N/4cm ²

Detailed descriptions of test methods available on request. Above figures are average values.

Adhesion Performance

Property	Test Method					
	2B Steel	PC	PVC	PMMA	PET	PP
Adhesion (cN/20mm)	700	700	700	700	350	650
Cohesion						
20mm x 20mm/1kg/4h/23 °C	0mm					
20mm x 20mm/0.5kg/4h/70 °C	0.5mm					
Heat Resistance	175 °C					

Detailed descriptions of test methods available on request. Above figures are average values.

Property (180°Peel adhesion N/m)	1 min	20 mins	24 hours
Stainless Steel	375	376	515
Terazzo Tiles	77	96	333
Quarry Tiles	42	63	312
Vinyl Tiles	74	128	356
Tarkett Tiles	102	129	170

Chemical Resistance

- Resistant to water, detergents, alcohols.

- Contact not recommended for with ketones, esters, aromatic, aliphatic and chlorinated hydrocarbons.

Technical Information

- See FootPrint working instructions for comprehensive printing and cutting guidelines.
- FootPrint High Traffic will reach 70% full adhesion within 4 hours of mounting.

Application Guidelines

- The surface to be bonded must be clean i.e. free of dust, release agents, processing oils and grease.
- The temperature of the application should not be below the dew point of the surrounding air
- The warmer the adhesive the better the adhesive will wet out and consequently the higher the immediate adhesion will be.

Removal

- FootPrint adhesive (surface adhesive side) can be removed from most substrates for 6-9 months after application.
- Removal can however be affected (adhesive residue or increase in adhesion with time) by the following substrates: acrylic glass, polystyrene, nitrocellulose painted surfaces and soft PVC.

Recommended Floor Surfaces

- Terazzo Tiles
- Quarry Tiles
- Vinyl Floor surfaces
- Tarkett Floor Surfaces

We do not recommend our floor graphics to be used on parquet flooring.

STORAGE

Store in original packaging, in a cool, dry place, away from direct sunlight / UV light source

Shelf life: 1 year when stored at 15/25°C and 50% relative humidity.

HAZARDS & WARNINGS

None associated with this product.

FIRE PRECAUTIONS

Polyester films will burn with difficulty. Extinguisher method: foam, water, CO₂ or PCF.

FIRST AID

No chemical related injury is anticipated from the use of this product.

ENVIRONMENTAL & DISPOSAL

EC Regulation 594/91 classifies ozone depleting substances into a number of different groups, I-VI. This range of products do NOT contain any substance classified in groups I-VI nor have any of the substances been used by MacDermid Autotype during manufacture. For details of the content of each of the groups, please see separate ozone depleting substances document

EU Directives 2003/11/EC; 2002/95/EC; 2002/525/EC; 2006/122/EC (ROHS)

Restriction on use of
Pentabromodiphenyl ether CAS 32534-81-9
Octabromodiphenyl ether CAS 32536-52-0
Polybrominated biphenyls
Polybrominated diphenylether
Lead, Mercury, Cadmium, Chromium VI
Perfluorooctanesulphonate, Perfluorooctanic acid & related compounds

In relation to the above directive, this range of products does not contain polybrominated biphenyl & diphenyl ethers, brominated compounds, perfluorooctane derivatives or any flame retardant agents. MacDermid Autotype products are also free of the heavy metals specified in the above Directives (lead, mercury, cadmium, chromium VI).

EU Directive 2002/96/EC (WEEE) relates to the Disposal and Recycling of Waste Electronic and Electrical Equipment. MacDermid Autotype products are compliant with this directive and do not contain any materials identified in Directives 2003/11/EC & 2002/53/EC (also 2037/2000). MacDermid Autotype Limited has no responsibility for the compliance of finished equipment, which will contain materials from other suppliers.

This range of products comprises films with a chemically treated surface which renders them difficult to recycle in appropriate material recovery schemes. The product contains no substances listed on the EC Black or Grey lists and may be safely disposed of in a landfill or by authorized incineration.

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