

#### Facestock

A highly frangible matt white cast PVC film.

Basis Weight	112 g/m <sup>2</sup>	ISO 536
Caliper	60 µm	ISO 534

#### Adhesive

A permanent acrylic based adhesive

#### Liner

BG50 white, a supercalendered glassine paper.

Basis Weight:	80 g/m <sup>2</sup>	ISO 536
Caliper:	69 µm	ISO 534

#### Laminate

Total Caliper:	150 µm ±10%	ISO 534
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#### Performance data

Initial Tack	17.5 N/25 mm	FTM 9 Glass
Peel Adhesion 90°	15 N/25 mm	FTM 2 St.St.
Min. Application Temp.	+10°C	
Service Temp.	-50°C to 110°C	

#### Adhesive Performance

S690 is a permanent acrylic based adhesive featuring good initial tack and ultimate adhesion on a wide range of substrates. Also features high durability to solvents, UV and ageing.

#### Applications and use

The product is designed with extreme tamper evidence as a priority. The heavily filled face is highly frangible, of low caliper – giving little ‘edge’ to pick at – and conformable/semi squeezable to avoid accidental breakage after application.

The adhesive is aggressive on a wide range of flat and – helped with film conformability – curved surfaces both polar and a-polar. These typically include glass, steel, varnished and unvarnished carton boards, and most ‘plastics’ use in packaging and mouldings.

The specific combination of face and adhesive results in a product, which will usually only be removable in very small pieces – destroying it completely. At the same time the face has been specifically formulated with just enough tensile/tear strength to allow simple label shapes to be die cut and matrix stripped for subsequent automatic application where required.

The excellent durability of face and adhesive allows its use for both in – and outdoor application including identification labels for instrument panels, warning signs, nameplates on electrical appliances as well as tamper evident security seals.

#### Conversion & printing

The product can be printed by all conventional roll label technologies including water based flexo, UV letterpress and screen. It is essential that labels are cut cleanly to avoid tear propagation hence die must be sharp and in good condition. Film grade flat bed, solid and magnetic rotary dies can all be used while all rotary tools should be proofed to the BG50 liner. It is recommended that corners are designed with as large a radius as is practical to facilitate matrix stripping. Rolls must be handled with care during slitting, transport and storage to avoid edge damage.

Specs: 5 splices for 1000 lm and 2 splices for 500 lm.

The product is designed for both automatic and manual application.

#### UL and CSA Recognitions

This product meets the requirements as stated in UL 969 and CSA22.2 No. 0.15 for indoor and outdoor use. The UL file number is MH27538.

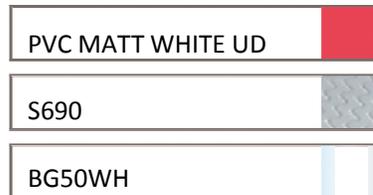
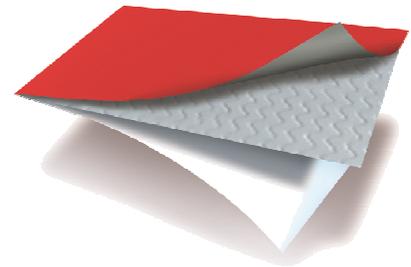
#### Shelf life

Two years under storage conditions as defined by FINAT (20-25°C; 40-50%RH).

## AF765

### Fasson®

PVC MATT WHITE UD – S690-  
BG50WH



*All data to be considered as typical values and subject to change without prior notice. Further testing is always recommended. If you would like to make a suggestion or comment on this datasheet, please send an email to [datasheet.mgmt@eu.averydennison.com](mailto:datasheet.mgmt@eu.averydennison.com)*

## Compliance Data

### UL – Underwriters Laboratories

File Number: MH27538.

This material is UL recognized for exposure indoors and outdoors according to UL969. Details are listed in the UL file MH27538.

Substrate	Minimum Temperature (°C)	Maximum Temperature (°C)	Indoor Use	Outdoor Use
Acrylic paint	-40	100	X	X
Acrylic powder paint	-40	100	X	X
ABS	-40	100	X	X
Aluminium	-40	100	X	X
Epoxy paint	-40	100	X	X
Expoxy powder paint	-40	100	X	X
Nylon – Polyamide	-40	100	X	X
Polyester powder paint	-40	100	X	X
Polyurethane powder paint	-40	100	X	X
Stainless Steel	-40	100	X	X
Polybutylene terephthalate (PBT)	-40	80	X	X
Polycarbonate	-40	80	X	X
Polystyrene	-40	80	X	X
Polyvinyl chloride (PVC)	-	80	X	-
Polypropylene (PP)	-	60	X	-

The UL certification includes the printing with the following thermal transfer ribbons:  
Armor “AXR-7+”, “AXR8”, DNP “R300”, “R510”, limak “SP-330”, Ricoh “B110CR” and “B110CX”.

### CSA – Canadian Standards Association

UL has tested this product according to the requirements described in CSA C22.2 No. 0.15. This product is C-UL recognized for indoor and outdoor use, where exposed to wet locations (Type A). The details are listed in the UL file number MH27538.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated or enameled steel; bare, anodized or enameled aluminium	100
Powder Coated Metal A	Polyester powder coat paint	100
Powder Coated Metal B	Acrylic powder coat paint	100
Powder Coated Metal C	Epoxy powder coat paint	100
Powder Coated Metal D	Polyurethane powder coat paint	100
Plastic Group I	Phenolic, melamines, urea formaldehyde	100
Plastic Group II	Polyphenylene oxide, polyphenylene sulphide	80
Plastic Group III	Polycarbonate, acetates. Acrylics	80
Plastic Group IV	Polyethyelene, polypropylene, polybutylene	80
Plastic Group V	Polyamide, polyimide	80
Plastic Group VI	ABS, styrene, styrene acrylonitrile	80
Plastic Group VII	PVC (rigid), PVC plasticized	80
Plastic Group VIII	Glass-filled polyester, glass-filled epoxy	80

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Armor “AXR-7+”, “AXR8”, DNP “R300”, “R510”, limak “SP-330”, Ricoh “B110CR” and “B110CX”.



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