

## THERMAL STANDARD TOP-FSC®-H3110-HG65

### FACE MATERIAL

A white wood-free, BPA-free printing paper with standard thermal- sensitive coating and with back barrier from FSC Certified source.

#### Typical technical values

Basis Weight	73	g/m <sup>2</sup>	ISO 536
Caliper	72	μ	ISO 534
Tensile strength MD	min. 4,7	kN/m	ISO 1924/1
Tensile strength CD	min. 2,3	kN/m	ISO 1924/1
Brightness	min. 87	%	ISO 2470
Whiteness	min. 105	%	ISO 11475

### ADHESIVE

Rubber-resin hotmelt, permanent adhesive for deep-freeze application.

#### Typical technical values

Initial Tack ( on glass )	12 N	FINAT FTM 9
Adhesion 180° (on glass)	10N /AT/PT	FINAT FTM 1
Application temperature min.	min.-20 °C	
Service temperature	-40 °C - +60 °C	

### BACKING

Yellow, wood-free transparent glassine backing paper. One side siliconised.

#### Typical technical values

Basis Weight	57	g/m <sup>2</sup>	ISO 536
Caliper	49	μ	ISO 534
Tensile strength MD	≥5,0	kN/m	ISO 1924
Tensile strength CD	≥2,6	kN/m	ISO 1924

### Adhesive performance

This adhesive is characterized by good initial tack and excellent adhesion on the surfaces at low temperature. It shows excellent adhesion also on slightly chilled or freezed, not icy surfaces. Not suitable for labelling plasticised PVC surfaces. The composition, temperature and contamination of the surface can affect the adhesion so preliminary tests are recommended.

Heat resistance is weaker compared with dispersion adhesives.

### Application and usage

This thermal-sensitive product is design for thermal printing systems at printing speeds up to 200 mm per second. Typical applications for this product include barcode labels printed on in-store-price-weigh equipment as well as industrial applications like labels used during warehousing, logistics and addressing. Avoid using this product on plasticizers (PVC) and keep it away from greasy surfaces.

### Printability

The product can be converted by all conventional roll conversion technologies. However, due to its thermo-graphic properties, exposure to heat above 50°C may cause discoloration. Inks containing alcohol or organic solvents may also cause the discoloration of the thermal-sensitive coating. For the flexographic printing process, UV or water based inks and varnishes to be used before conversion.

### Shelf life

2 years

### Storage conditions

23+/-2°C, 50+/-5% RH

Warranty: All statements and recommendations about BUDAVAL products are based on our most up-to-date knowledge, experience and tests believed to be reliable but do not constitute a guarantee or warranty. As the products are used outside our control we cannot take responsibility for any damage which may be caused when using the product. This technical information sheet replaces all earlier ones. All information subject to change without notice.

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