



# ScandTherm TCS SSP 50AF HG0

ScandTherm TCS is a protected direct chemi-thermal label, which is a woodfree paper with a coating of thermosensitive dyes which turn black when heated.

There is a top coating which protects the label surface and thermally printed images from above, against contaminants such as moisture, oil, grease and plasticisers from films.

ScandTherm TCS can be printed by water based and UV inks and varnishes designed for use with direct thermal papers.

This thermal paper has a standard sensitivity making it suitable for print speeds up to 200mm per second depending on printer settings.

It is recommended that customers assess both the pre-print and the overprint characteristics under end use conditions before proceeding to long runs..

## Face Material Properties

|              |                         |         |
|--------------|-------------------------|---------|
| Basis weight | 76 ± 5 g/m <sup>2</sup> | ISO 536 |
| Caliper      | 82 ± 8 microns          | ISO 534 |

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## Adhesive

**SSP 50AF** An all-round performance, general purpose permanent adhesive with freezer characteristics

ScandStick Permanent 50AF has excellent initial tack with high bond strength at elevated, room and deep freeze temperatures.

SSP 50AF has been formulated to adhere to a wide variety of substrates including carton and low surface energy materials such as polyethylene and anti-fog coated films.

SSP 50AF has been specifically designed to give excellent performance where condensation bloom is present. SSP50AF provides outstanding conversion characteristics and is suitable both for paper and synthetic face materials.

Note: Not advised for labelling highly plasticised materials, eg: flexible PVC.

|                                 |  |
|---------------------------------|--|
| Composition                     | rubber based hotmelt   |
| Minimum Application Temperature | -10 °C   |
| Service Temperature             | -40 to +70 °C  |
| Food contact                    | Meets composition requirement of indirect food additives regulation FDA 21-CRF 175-105 |

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## Backing

HG 0 honey glassine backing allows high speed conversion and consistent dispensing on a wide range of equipment.

|              |                |          |
|--------------|----------------|----------|
| Caliper      | 54 ± 4 microns | ISO 534  |
| Transparency | 50 %           | ISO 2469 |

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## Laminate

|                          |                                 |
|--------------------------|---------------------------------|
| Laminate Shelf Life      | 12 months stored at 20°C/50% RH |
| Typical Laminate Caliper | 154 microns ± 10%               |

Food Packaging Applications: The adhesive raw materials are listed under European/US food packaging regulations (BgVV XIV or FDA 21 175.105) and are safe for use in limited contact with foodstuffs.

Toy and Packaging Regulations: The materials used have been tested and comply with the current heavy metals regulations EN71-3 Safety of Toys and the UK Packaging (Essential Requirements) Regulations 1998.

**ScandTherm TCS SSP50AF HG0**  
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Replaces all previous information

## Self Adhesive Roll Products

ScandStick AB Box 22103 25023 Helsingborg Sweden Tel +4642250050 Fax +4642250090 The values indicated in this leaflet are not intended to be a specification but a guide to the values that may generally be expected. Customers should independently determine, prior to use, the suitability of any material for a specific purpose. All information is subject to change without notice.