



**Technical Data Sheet**  
**Draft version; edition 2**  
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## Letratag Paper tape

### (1) Description

This tape is a direct thermal paper with a permanent adhesive. Each tape cassette contains one tape 12 mm wide and 4 m in length. This label is recommended for indoor use only.

Property	Unit	Value	Test method
<b>1. General</b>			
- Thickness tape	Micron	155 ± 10	Micrometer
- Thickness liner	Micron	55 ± 5	
<b>2. Adhesive properties</b>		<b>Dwell</b>	
		<b>20 min    24 hrs</b>	
- to stainless steel	N/25m m	16      18	PSTC-1
- to glass		14      17	
- to PVC		15      19	
- to textured ABS		14      14	
- to powder coated steel		15      17	
- to wood		5        6	
- to polypropylene film matt		8        10	
- to polypropylene film glossy		12      15	
- to polyethylene		6        13	
- to Lever Arch File		3        3	
- to steel computer casing		3        4	
<b>3. Abrasion resistance of text Printed in Letratag</b>			
- Pencil erasure	30x	No visible effect	Crockmeter, 900g weight/arm
- Polystyrene pin	30x	No visible effect	
- Sandpaper	30x	Moderate print removal	

*Dwell means the contact time between label and substrate*

*\* denotes rupture of tape*

<p><b>4. Light stability of printed label</b></p> <ul style="list-style-type: none"> <li>- 7 days In suntester (simulation of outdoors exposure)</li> </ul>		<p>Background yellows. Text fades but still legible.</p>	
<p><b>5. Temperature stability</b></p> <ul style="list-style-type: none"> <li>- Application temperature</li> <li>- Service temperature</li> </ul> <p>24hrs at 60°C</p> <p>24 hrs at 70°C</p> <p>24 hrs at 80°C</p> <p>24 hrs at 90°C</p>	<p>°C</p>	<p>Room temperature</p> <p>-20 to 70 °C</p> <p>No visible effect</p> <p>No visible effect</p> <p>Background turns slightly grey, print still legible</p> <p>Background turns grey, print still legible</p>	
<p><b>6. Humidity resistance of applied label</b></p> <ul style="list-style-type: none"> <li>- 30 days at 45°C, 85 % R.H. (on alu panel)</li> </ul>		<p>No visible effect</p>	
<p><b>7. Shelf life of label roll</b></p> <ul style="list-style-type: none"> <li>- 1 year at 5-25°C and 40-60% relative humidity in its original packaging</li> </ul>		<p>Avoid exposure to heat, humidity &amp; sunlight</p>	

Scratch resistance : The printed labels are subjected to different scratching sources for a fixed number of cycles with a finger weight of 900g.