



**Technical Data Sheet**  
**Draft version ; edition 1**  
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## **Letratag Metallic tape**

The tape is supplied in a cassette and used with the LT machine. Each tape is 12mm wide and 4m long, available in silver and green. This tape is not recommended for outdoors usage as it is not resistant to water.

<b>Property</b>	<b>Unit</b>	<b>Value</b>	<b>Test method</b>
<b>1. General</b>			
- Thickness tape	Micron	170 ± 17	Micrometer
- Thickness liner	Micron	90 ± 9	
<b>2. Adhesive properties</b>			
		<b>Dwell</b>	
		<b>20 min      24 hrs</b>	
- to stainless steel	N/25mm	17      20	PSTC-1
- to glass		17      20	
- to PVC		21      22	
- to textured ABS		10      9	
- to powder coated steel		8      14	
- to wood		5      10	
- to polypropylene film matt		1      2	
- to polypropylene film glossy		2      3	
- to polyethylene		6      7	
- to Lever Arch File		3      5	
- to steel computer casing	3      6		
- shear	Minutes	<b>Dwell 10 minutes</b> 1440	Sheartester 12mmx12mm

<p><b>3. Chemical resistance of text printed in embossing tool</b></p> <ul style="list-style-type: none"> <li>- Eurosuper 30x</li> <li>- Diesel 30x</li> <li>- Isopropylalcohol 30x</li> <li>- Ethanol 30x</li> <li>- Ethyl acetate 30x</li>   <li>- Skydrol* LD-4 (hydraulic engine oil) 30x</li> <li>- Sabesto** automotive brake fluid cleaner 30x</li> <li>- Exxsol D40*** naptha 30x</li> <li>- ULS 200**** cleaning solvent 30x</li> <li>- Water 30x</li>   <p><b>Abrasion resistance of text Printed in embossing tool</b></p> <ul style="list-style-type: none"> <li>- Pencil erasure 30x</li> <li>- Polystyrene pin 30x</li> <li>- Sandpaper 30x</li> </ul> </ul>		<p>No visible effect  No visible effect  No visible effect  No visible effect  Printing gone    No visible effect  No visible effect  No visible effect  No visible effect  No visible effect    No visible effect  No visible effect  Moderate print removal</p>	<p>Crockmeter, 900g weight/arm</p>
<p><b>4. light stability of label inside</b></p> <ul style="list-style-type: none"> <li>- real life test of 1year</li> </ul>		<p>No visible effect on text and background when tested indoors</p>	
<p><b>5. Temperature stability</b></p> <ul style="list-style-type: none"> <li>- Application temperature</li> <li>- Service temperature</li> </ul> <p>30 days in consumer freezer</p> <p>24hrs at 100°C, no R.H.  24hrs at 90°C, 90% R.H.</p>	<p>°C</p>	<p>Room temperature  -20° to 80°C    No visible effect    No visible effect  Black oxidation is observed</p>	
<p><b>6. Weatherability in QUV</b></p> <ul style="list-style-type: none"> <li>- 30 days at 60°C (on alu panel)</li> </ul>		<p>Not resistant, oxidation is observed</p> <p>Not suited for contact with water, salt water or fertilizers</p>	

<b>7. Shelf life of cassette</b>  - 1 year at 5-25°C and 40-80% relative humidity in its original packaging			
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\*\*\*Exxsol is a registered trademark from Exxon, \*\*\*\*ULS is a registered trademark from Electrolube*

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