



# ⋮ DataLase Product Datasheet

- provisional - instructions for use

 	Product Name:	DataLase PACKMARK Aerosol 1
	Product Classification:	Solvent Based Aerosol
	Response to Low Power CO <sub>2</sub> Laser:	Neutral to Black Colour Transition
	Typical Uses:	Laser Coding by CO <sub>2</sub> laser

**DataLase PACKMARK** is an exciting new colour change process for the high speed printing of images using low power laser light. This patented technology can be used for applications such as coding and dating of products, printing graphics, and security marking.

When an object is treated with **DataLase PACKMARK** chemistry it allows a laser to print images with very low power at high speed.



Revision Number: 3. Date of Last Revision: January 2006

*Supplied by the manufacturer:*

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*The data contained in this application is based upon careful investigations and is intended for guidance only. Users are advised to carry out their own tests as to the suitability of the products for a particular use. DataLase Ltd does not accept responsibility for uses of its products which are not under its control.*





**PRODUCT DATA SHEET – PROVISIONAL – INSTRUCTIONS FOR USE**

**Product: DataLase PACKMARK Aerosol 1**

**Revision Number: 3**

**Date of Last Revision: 16<sup>th</sup> January 2006**

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1. Clean the target area with alcohol or an appropriate cleaner, ensuring all grease, dirt and any loose particles are removed.
2. Mask off the areas you do not want sprayed.
3. Remember to spray in a well-ventilated area.
4. Shake the spray can for at least 1 minute; ensuring the ball is rattling from top to bottom.
5. Hold the spray can approximately 20-25cm (8-10inches) away from the target area, this will ensure an even spray and not a center heavy spray.
6. Press the nozzle down firmly and move quickly over the target area, for best results apply several light even coats.
7. Allow 3-5 minutes for initial drying (this time may vary with the substrate)
8. For additional coats, make sure the first coat is touch dry before re-applying, failure to do so may cause lifting. Several coats will give a darker optical density when laser imaging.
9. Your area is now ready for laser imaging.
10. Full curing may take up to 24-36 hours, depending on the amount of DataLase sprayed and the type of substrate it is sprayed on.
11. After use invert the aerosol to clear the nozzle of any residue.

**Laser Marking**

Typically, very low power settings are needed to produce a high contrast marking. For example, on a 10 watt CO2 laser markings can be made at 3-4 watts at a writing speed of 1500 mm/s. (7-10% power, 80-100% speed) Actual settings may vary, some experimentation may be necessary to optimize power settings for a particular application.

**Contact Information**

Questions about properties of this product, application techniques or laser settings should be directed to:

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