TECHNICAL DATA SHEET
HOT TRANSFER PRODUCT
METALLIC

TDS-LS v1
Issued February 2025

LS Grade

Metallic hot stamping transfer product for challenging substrates

Overview	The LS grade has a particular strength with challenging coatings when blistering problems are prominent and where this coating type may make it difficult for other transfer product grades to perform well.
Key features	The LS grade has excellent fine detail performance and the ability to stamp onto a range of coated and varnished substrates. Its medium release characteristics and unique adhesive provides an advantage when stamping onto challenging coated substrates, where other transfer product types may fail. Good performance on challenging coated substrates, including some water based and UV varnishes. Not recommended for label applications where water and alcohol resistance properties are a requirement.
Key specifications for hot stamping	Designed for use on a wide range of hot stamping machines, with typical operating temperatures: Vertical, platen and clam-shell machines: 90°C - 130°C Cylinder machines: 130°C - 160°C Rotary machines: 170°C - 210°C The optimum stamping temperature is dependent upon machine type and other application parameters, and the customer should determine to their own satisfaction the suitability of the foil application and press setup.
Substrates	Coated and some uncoated papers and boards. Challenging substrates including water-based, conventional, and UV curing inks and coatings.
Availability	For information on availability, contact the Customer Service Team at API Transfer Technologies.
Storage	Foils should not be stored or transported in direct sunlight, and should avoid extremes of heat and humidity, as well as condensation and undue pressure on the roll. Under ideal storage conditions of 5-25°C and 30-60% relative humidity, a storage life of 12 months should be possible.
Typical market sectors	• Packaging for the food and cosmetic industry • Greeting cards • Business Cards • Book covers • Labels • General hot stamping applications

Data contained in this information sheet is provided as a source of information that we believe to be accurate and reliable at time of writing but does not constitute a warranty of any kind. Customers should determine to their own satisfaction the suitability of this material for a specific purpose. API Transfer Technologies reserves the right to change specifications without notice. Please contact the Customer Service Team at API Transfer Technologies for further information and availability details. Samples are available from us upon request. If you need assistance, we will be happy to provide advice and support.