



TD Grade DIELESS – Cold foil for Narrow-web Presses

APPLICATION: Through carrier DIELESS cold foil for use with UV adhesives on UV curing narrow-web presses equipped with cold foiling modules.

OVERVIEW

Key features:	A free releasing foil giving good coverage and definition on most applications. TD Grade has good adhesion onto most types of cold foiling UV cured adhesives and provides good brightness whilst running at typical machine speeds for these types of applications.
Machines:	Designed for use on UV curing narrow-web presses equipped with cold foiling modules. In the Through Carrier DIELESS process, the foil is applied onto the adhesive, which is then cured by shining UV light through the foil.
Adhesives:	The TD Grade gives good adhesion with a range of adhesives designed for narrow-web cold foiling. Contact our Market Support Team at API Foils Limited for further details.
Substrates:	Filmic materials are the best substrates for the cold foiling process, typically those materials like, PE and OPP that are used in the self-adhesive label industry. Some top coated, gloss and semi-gloss papers can be used but may require a primer or coating of a sealer/varnish to provide the best smooth surface for the adhesive print. Uncoated and rough paper substrates are not recommended for this process.
Availability:	TD grade is available in a limited range of silver, gold, colours and holographic patterns. Please contact our Customer Service Team at API Foils Limited for more information.

PROPERTIES

Resistance Properties:	Good resistance to Abrasion in graphics applications (STM05) Good resistance to Water (STM06) Good resistance to Wines & Spirits (STM07) Good resistance to Plasticiser migration (STM08)
Toxicity:	Classed as non-toxic and meets stringent legislation of numerous industry standards, including: - CONEG (relating to the protection of the environment) EN71.3 (relating to toys, food packaging, etc.) BS5665 Part111 1995 (relating to toy safety) RoHS – 2002/95/EC (relating to electrical components) The EC Directive on Packaging and Packaging Waste 94/62/EC, the UK Packaging (Essential Requirements) regulations 1998.
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.

Data contained in this information sheet is provided as a source of information that we believe to be accurate and reliable 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 reserves the right to change specifications without notice. Please contact the Market Support Team at API Foils for further Technical Information about this product and contact the Customer Service Team for availability details.

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