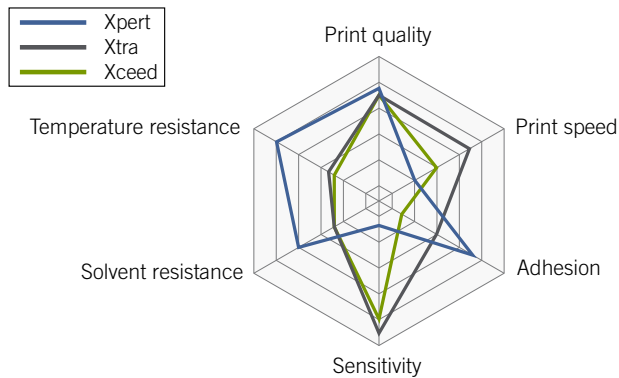# AN ARRAY OF THERMAL TRANSFER RIBBON SOLUTIONS ▪ ▪ ▪

Choose from three ribbon solutions to cover all your flexible packaging coding needs, whether basic or complex while guaranteeing you the best quality code, more production uptime and best-in-class Markem-Imaje service. All Markem-Imaje ribbons are designed, developed and tested with our SmartDate coders to offer you the best quality on the market.

SmartDate® Xpert Ribbons

SmartDate Xpert Ribbons are full resin ribbons intended **for your most demanding applications** that require high levels of resistance to solvents, oil and heat.

SmartDate® Xtra Ribbons

The SmartDate Xtra Ribbons **raise the standards for thermal transfer coding**. They offer a **high level of versatility** to code on most of your flexible packaging while **ensuring durable codes** from the production line until customer purchase.

SmartDate® Xceed Ribbons

SmartDate Xceed Ribbons **are the most cost-effective ribbons** to secure your code, ensure readability and make the most of your SmartDate coders without compromising on quality.

RIBBON DISPOSAL

Component	Re-usable	Recyclable	Incinerable	Common Industrial Waste
TT Film	-	-	✓	✓
Plastic core	✓ as take-up core	✓ LDPE 4 with same plastic type	✓	✓
Roll packaging film	-	✓ with same type of plastics	✓	✓
Roll label	-	-	✓	✓
Cardboard box	✓	✓ with cardboard	✓	✓
Box label	-	-	✓	✓
Overpacking box	✓	✓ with cardboard	✓	✓
Pallet	✓	✓	✓	✓

CERTIFICATIONS*

► Food contact: 1935/2004/EC and FDA.

► Heavy metals: 2011/65/EC (RoHS).

► REACH: Ribbons are free from the Substances of Very High Concern (SVHC).

► California Proposition 65.

Contact us for all other regulations linked to product compliance with toxicity, waste treatment, banned components, packaging, etc.

* depending on grades

STORAGE AND USE

► Storage: 5-35 °C (40-95 °F), 20-80% humidity rate.
  No shelf life in normal recommended storage conditions.

► Conditions of use:
  Do not open with a blade.
  Do not exert pressure on ribbon roll.
  Before use, we recommend storing the ribbon at average temperature (20 °C) for 24 h.

SMARTDATE CODER COMPATIBILITY CHART

		SmartDate Xceed Ribbons			SmartDate Xtra Ribbons		SmartDate Xpert Ribbons		
		Black	White	Colours	Black	Metallic white	Black	White	Colors
SmartDate 2 Width (mm): 22 to 55	Length (m)	600	"-"	450	700	600	600	450	600
SmartDate 3 / 5 / X40 / X60 Width (mm): 22 to 55	Length (m)	900	650	800	1100	800	800	650	600
SmartDate X60-128 / SD5-128 Width (mm): 90 to 130	Length (m)	600	600	600	900	600	600	450	450
8018 Width (mm) : 22 and 33	Length (m)	500	300	400	550	400	400	400	400

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