



October 2017

### General information

**Magnus** Collection is a brand new range composed of magnetic, ferrous, textile and self-gripping products conceived to work with laser printers, which usually operate beyond 160° C. The prints can be then processed through any print & cut plotter to shape them as desired. **Magnus** Collection is remarkably fitting with seasonal advertising campaigns and events such as exhibitions, shows and retail sales, as well as is performing and reliable for all those long-term applications like indoor signage and parts of permanent outfitting. The visuals achieved with **Magnus** Collection are extremely easy and quick to set up, because these products are all removable and replaceable countless times. Anyone is able to apply them onto any smooth surface like magnetic boards, metals, glasses and walls. **Magnus** Collection products are easy to remove and leave no glue residuals, even two years after the installation.

**Magnus** Collection complies with the strictest European regulations in terms of safety, pollution and environment:



Item	Description	Specification	
Composition	Product codes and packaging	PET-M-4632 - 150 sheets per box	
	Type of support / Top layer	Isotropic - flexible magnet sheeting in sheets + coated polyethylene terephthalate (PET)	
	Colour	White matt PET + brown magnetic	
	Layers	Top coating	25 micron
		Surface	95 micron ± 10% white matt polyethylene terephthalate film
		Base	brown magnetic 200 micron
	Surface finish	3,8 (Gardner 60°)	
	Total thickness & Weight	300 micron (± 10%) - 725 g/m <sup>2</sup> (± 10%)	
Standard size for sheets	460 x 320 mm (A3 plus)		
Magnetic properties	Magnetic Pull	8 ≥ g/cm <sup>2</sup>	
	Magnetic pole pitch	1.0 mm	
	Maximum Energy	0.6-0.7	
	Remanence	1600±150 G	
	Coercive Field	1500±150 Oe	
	Intrinsic Coercive Field	3600±300 Oe	
Physical properties	Specific Gravity	2.5-2.7 g/cm <sup>3</sup>	
	Flexibility	It can be rolled up till a minimum of 10 mm diameter at 20°C without cracking	
	Cutting	Scissor, knife, die-cutting, and slitting can be used with ease.	
	Self-extinguish	class B1, DIN4102	

Applications	The product is ideal for the Magnet VisualComm, it is mainly used for recreational activities and environment (it complies with EN-71 part 3): kindergartens, playing grounds, hospitals, education items (it does not cause signal interference or damage with computerized equipment like computers, pace-makers, etc). Excellent for durable indoor display, such as elevator, steel doors.
Printing	Suitable for <b>toner based printing</b> : laser & LED printing. <b>Screen Printing</b> : solvent and UV Curable inks. <b>Digital Printing</b> : eco-solvent and UV Curable inks; Latex: tests made on different printing machines. <b>Notes</b> : Due to the wide variety of inks products and digital printing machines, tests before printing are always recommended. Some UV inks may interfere with magnetic poles. Avoid high polymerization to minimize the "brittle effect". <b>Attention!</b> When die-cutting full background printed magnet, or other materials, you would observe the rising of shape edges (ink evaporation is the cause of tension surface).
Storage period	12 months under storage conditions. Closed package to preserve, avoiding sunlight, in temperature between 10°C to 35°C, relative humidity from 20°C to 70°C. Unfinished material should be seal-packed, and used up within one month.
Notes	<i>Published information is based upon research and information which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of the products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages. All specifications are subject to changes without prior notice.</i>

