

Cylinder Cast Digital Wrapping Media with Blockout 'MetaScape' System

Product Description

MetaWrap MD-X is a 50 micron Cylinder Cast digital wrapping media, supplied with the MetaScape air release adhesive system to allow quick and easy application on compound curves as well as moderate recesses. The soft film has been developed to flow and conform over the most challenging surfaces so it's ideal for total vehicle wraps. The grey blockout adhesive ensures vibrant graphics and minimal substrate show through, as well as clean removal. The film offers high levels of dimensional stability and brilliant colour reproduction on Solvent, Eco Solvent and Latex printers.

Printing and Handling

- Suitable for use on Solvent, Eco Solvent, and Latex inkjet printers. Always perform a test print first.
- Ensure that the correct profiles and heater settings are used. Most profiles are available for download from www.metamark.co.uk.
- Ensure that the material has reached room temperature and a relative humidity of 50% before printing.
- Do not handle the face film directly and ensure it is free from dust and static.

Overlaminating

- Overlaminating is recommended to prevent abrasion, extends colour fastness, and also offers easier handling.
- Allow the inks to cure before overlaminating, this is usually 24-48 hours. (Not applicable to Latex prints)
- The matched laminate for MD-X is MetaGuard X. For all other laminates the user should determine suitability.

Application

- Allow a minimum of 24-48 hours for the solvents to dry off before application of the overlaminate, or to the vehicle, depending on the print and drying conditions this can often be in excess of 48 hours. Retained solvents will reduce adhesion levels.
- Successful vehicle wrap application requires the necessary techniques. Refer to www.metamark.co.uk for application guidelines.
- Apply dry to ensure best adhesion. Use gentle heat to allow conformability. Do not overstretch as this will cause the application to fail.
- After application 'superheat' the film into recesses at 90-95°C.
- The user should determine suitability of substrate.

Face Film

Face Film	Cylinder Cast Film
Gauge (ISO 2286-3)	50 micron nominal
Tensile Strength	18N/15mm MD min
Elongation at break	180% MD nominal

Adhesive

Type	'MetaScape' permanent grey solvent-based acrylic with air channels.
Weight	22gsm nominal
Adhesion to glass 20 mins	15N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

Release Liner

Print	'MetaScape' print
Weight	140gsm nominal
Type	Structured layflat kraft with PE coating

Finishes

Finishes Available	MD-X-100 White Gloss ('MetaScape')
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Roll Presentation

Roll sizes and net weights	760mm x 50m	10kg
	1370mm x 50m	19kg
	1600mm x 50m	22kg

Durability

Shelf Life	2 years
External weathering	7 years. This refers to the unprinted vinyl. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Self-extinguishing. The fire rating is a function of the substrate.
Chemical Resistance	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel oil, gasoline, paraffin, hydraulic oil, antifreeze.

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