

Eclipse™

Patterned Overlaminates

Technical Data Sheet

Description Eclipse™ Patterned Overlaminates are embossed, rigid vinyl facestocks, coated with a clear, permanent pressure sensitive acrylic adhesive. The vinyl film facestock is embossed with a variety of attention-getting patterns. Hot-embossing produces a deep, pronounced pattern on the surface of the overlaminate for a very distinctive appearance. R Tape's Eclipse™ Patterned Overlaminates provide printed graphics with protection from abrasion, chemical spillage, pollution and abusive handling. Available in Frost, Glitter, Linen, Diamond Plate™ and Carbon Fibre™ textures.

Construction Facefilm: 75 micron (3 mil) clear vinyl film
Adhesive: permanent, water-based acrylic based
Backing paper: one side coated, white 78# (145gsm) smooth surface

Application R Tape Eclipse Patterned Overlaminates are intended for applications to clean, smooth, flat non-porous surfaces. For information regarding product applications, call R Tape.

Features

- Clear adhesive for true color transmission. Resists moisture and other adverse conditions.
- Heavy adhesive coating weight allows for proper adhesive flow and blemish-free laminations.
- Ideal for protecting ink jet, electrostatic, photographic or screen printed images.
- Excellent performance on flat and simple curved surfaces.
- Excellent dimensional stability during use and application.
- New acrylic adhesive system improves the product's resistance to tunneling, crazing and stress whitening on rolled graphics.

Recommended use

- Retail displays
- In-store signage
- Point-of-Purchase
- Tradeshow graphics
- Exhibits
- Merchandising



PRODUCT CHARACTERISTICS

Eclipse Patterned Overlaminates

Typical physical properties	Features	Test Method	Results
	Caliper, facefilm	ISO 534 (PSTC-33)	75 micron (3 mils)
	Caliper, facefilm + adhesive	ISO 534 (PSTC-33)	90 micron (3.6 mils)
	Dimensional stability	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hour at 71°C (160°F)	Good. Minimal shrinkage.
	Adhesion, initial	FINAT FTM-1 (PSTC-1)	stainless steel 450 N/m (41 oz/in)
	Adhesion, ultimate	FINAT FTM-1 (PSTC-1)	stainless steel 540 N/m (49 oz/in)
	Flammability		self-extinguishing
	Shelf life	Stored at 22°C (72°F)/ 50-55 % RH	1 year

Temperature range	Features	Results
	Application temperature	Minimum: +16° C (60°F)
	Service temperature range	-20° to + 60°C; (-4° to +140°F)

Important Notice: All R Tape products are subject to continuous quality control throughout the manufacturing process and are warranted to be free from manufacturing defects. R Tape stands behind its products and will replace or credit any defective material. Because R Tape products are used for a variety of applications, the purchaser is responsible for determining the suitability and performance of this product for their specific purpose, prior to use and the purchaser shall assume all risks regarding such use.

Durability

Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in direct sunlight or when exposed to high temperatures, performance will be decreased. Not recommended for outdoor applications, such as vehicle graphics or permanent window graphics.



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