

Reflective Vinyl

Description

High gloss, retroreflective vinyl film with permanent clear acrylic pressure-sensitive adhesive. Engineering grade material: color meets or exceeds L-S 300C Table II specification; meets or exceeds FP-96 Type I and ASTM D4956-94 Type I. Release liner is 90# white. Use with Kapco® Premask™ Plus or Kapco® Premium Transfer Tapes.

Construction

Thickness:	4.3 mil (Top Film)
Adhesive:	Clear Acrylic Pressure Sensitive Adhesive
Release Liner:	90# Lay Flat

Physical Properties

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guarantee and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification).

Outdoor Durability:			
7 years when properly processed and applied (vertical exposure (90° ± 10°), unprinted film). Warranty coverage is defined as no appreciable deterioration in the product. Cracking, crazing, blistering or loss of adhesion constitutes a breach of warranty if it occurs during the stated life of the product.			
Application Temperature:	+50° F, +60° F for vehicle application		
Service Temperature Range:	Natural environmental temperature		
Chemical Resistance:	Resistant to most petroleum based oils, greases and aliphatic solvents. Resistant to mild acids, alkalies and salt.		
Typical Adhesion Values:	<u>180° Peel Test</u>	<u>Substrate</u>	<u>24 hrs</u>
		Stainless Steel	6.9 lbs/in
Note: Tested per ASTM 1000. Always pretest your specific substrate prior to actual application.			
Color Consistency:			
Due to the nature of the retroreflective material, graphics comprised of multiple pieces of film may show the perception of a color shift depending on the viewing angle and light source. This is not considered a defect in the material. To minimize this effect, cut large letters from a continuous piece of material from adjacent portions of the rolls. Also, a small overlap (<25°) or no overlap of the reflective film is recommended to maintain a consistent viewing angle.			
Shelf Life:	1 year at temperatures under 73° F 50 ± 5% R.H.		
Dimensional Stability:	<0.03" shrinkage after 1000 hrs in Weathometer		
Optical Properties:	Reflective Intensity: Meets or exceeds L-S 300C Table II (Reflectivity I, Class I). Meets or exceeds FP-96 Type I and ASTM D4956-94 Type I.		

Caution: Use of wet method application invalidates standard warranty on this product.

Standard Warranty

All statements, technical information and recommendations about Kapco products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Kapco products are sold with the understanding that the Purchaser has independently determined the suitability of such product for its purposes. Kapco products are warranted to be free from defects in material and workmanship for either one year (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. It is expressly agreed and understood that Kapco's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited to repair or replacement of defective product without charge at Kapco's plant or at the location of product (at Kapco's election), or in the event replacement or repairs is not commercially practical, to Kapco's issuing Purchaser a credit reasonable in light of the defect in the product.

Kapco's liability for defective products shall not exceed the purchase price paid therefore by Purchaser and in no event shall Kapco be responsible for any incidental or consequential damages whether foreseeable or not, caused by defects in such product, whether such damage occurs or is discovered before or after replacement or credit, and whether or not such damage is caused by Kapco's negligence.

No express warranties and no implied warranties, whether of merchantability or fitness for any particular use, or otherwise (except as to title) other than those expressly set forth above which are made expressly in lieu of all other warranties, shall apply to products sold by Kapco. Kapco specifically disclaims and excludes all other such warranties, no waiver, alteration, addition or modification of the foregoing conditions shall be valid unless made in writing and manually signed by an officer of Kapco.