

Technical Specification Sheet

Ball & Doggett
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Product: OneWayVision CurvaLam



Category: Sign, Display & Digital

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Applications	Protective optically clear cast overlamine for Clear Focus One Way Vision polymeric calendered perforated films. Protects graphics against marking and scuffing, enhances the water resistance of graphics and provides UV protection, thereby increasing the life of the printed image. For application onto flat or simple curved surfaces. For use with vehicle graphics. Refer to the Recommended Overlaminates Fact Sheet.	
Makeup	Cast gloss flexible vinyl cold-laminating film with an optically clear permanent pressure-sensitive acrylic adhesive and single layer frosted PET release liner.	
Film Thickness	76 microns, approx., for vinyl and adhesive.	
Release Liner	51 microns, approx.	
Adhesive	Permanent acrylic adhesive. Adhesion 0.625 kg/cm. Tensile 0.8 kg/cm.	
Standard Widths/ Lengths	1370mm x 30.48m (CFCVL), 45.7m (CFCVL54X150) on 76mm core 1520mm x 30.48m (CFCVL60X100), 45.7m (CFCVL60X100) on 76mm core	
Dimensional Stability	Excellent. 137 microns after 48 hours at 70°C	
Application Temperatures	Recommended: 15°C to 25°C, Min: 5°C On clean dry substrate	Max: 38°C (in shade)
Service Temperatures	-17°C to +60°C	
Expected Lifetime	Up to 2 years for external vertical applications, up to 5 years for internal applications. Colour fading is dependent upon the quality and type of inks used, degree of sun exposure and ink load when printing. Testing recommended before production to determine suitability of product for intended application.	
UV Resistance	Good to excellent	
Chemical Resistance	Good. Detergents – No Effect 1 st 24 hours. Petrol and Oil – No effect 1 st 10 mins. 100% Ammonium Hydroxide – No effect 1 st 10 mins	
Storage Stability	9 months shelf life when stored at 21°C & 50% relative humidity	
Gloss & Optical Level	60-90% (crystal) when measured at 60° reflection. Maximum optically clear property is at 90°, reducing as the angle decreases off the perpendicular. May take 2-4 weeks after installation for optically clear property to become apparent.	
Printing	Not printable.	
Application	Refer to the Clear Focus One Way Vision Laminating Fact Sheet. For application to perforated vinyl, use cold laminator machine. Do not use heat. Do not compress or stretch laminate onto perforated film. Wait 24 hours after lamination before application to window. Apply to clean, dry glass surface. Dry apply. Follow our Installation Fact Sheets.	
Warranty and Disclaimer	12 months from date of purchase. Refer to the Warranty Statement.	