



**J&A (International) Limited**  
THE GARMENT DECORATION SPECIALISTS

TECHNICAL DATASHEET

# Domed Helmet Stickers



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## TECHNICAL DATASHEET

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### DOMING RESIN

Composition: Aliphatic polyester urethane  
Thickness: Approximately 1.5mm ( $\pm$  0.5mm)

### WHITE GLOSS VINYL

Face film: Calendered PVC  
Thickness: 100 micron (0.1mm)  
Tensile strength: 50N/25mm MD / 48N/25mm TD  
Elongation at break: 180% MD  
Adhesive type: Permanent solvent-free acrylic  
Adhesive weight: 18gsm  
Adhesion to glass 20 mins: 13N/25mm  
Adhesion to glass 24 hours: 20N/25mm  
Perceived tack: Medium  
Application temperature: +8°C to +60°C  
Service temperature: -20°C to +100°C  
Backing paper weight: 140gsm  
Shelf life: 1 year  
Fire rating: Class B. BS EN 13501-1:2007  
External weathering: 3 years  
Print: UV Gel

### CLEAR GLOSS VINYL

Face film: Monomeric calendered PVC  
Thickness: 70 micron (0.07mm)  
Tensile strength: 50N/25mm MD / 48N/25mm TD  
Elongation at break: 180% MD  
Adhesive type: Permanent clear solvent-based acrylic  
Adhesive weight: 18gsm  
Adhesion to glass 20 mins: 10N/25mm  
Adhesion to glass 24 hours: 20N/25mm  
Perceived tack: Medium  
Application temperature: +5°C to +60°C  
Service temperature: -30°C to +110°C  
Backing paper weight: 140gsm  
Shelf life: 1 year  
Fire rating: Class B. BS EN 13501-1:2007  
External weathering: 5 years  
Print: UV Gel

### CERTIFICATION

Adhesive Suitability for Helmets against Shock Absorbtion & Penetration - EN 397  
JSP Approved