



COLOUR  
FROG

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## Technical Datasheet - Vinyl Lettering & Cut Vinyl Logos

### Coloured Vinyl

Face film: Polymeric calendered PVC

Thickness: 70 micron nominal (0.07mm)

Tensile strength: 47N/25mm MD / 43N/25mm TD

Elongation at break: 180% MD nominal

Shrinkage: -0.5% MD max / -0.2% TD max

Adhesive type: Permanent solvent-based acrylic

Adhesive weight: 22gsm nominal

Adhesion to glass 20 mins: 15N/25mm nominal

Adhesion to glass 24 hours: 20N/25mm nominal

Perceived tack: Medium

Shear strength: Medium to high

Application temperature: +5°C to +60°C

Service temperature: -30°C to +110°C

Backing paper gauge: 145 mym nominal

Backing paper weight: 140gsm nominal

Shelf life: 2 years

Fire rating: Class B. BS EN 13501-1:2007, BS 6853:1999 Cat1a&b (Passenger Rail). EN ISO 5659-2 (Goods Rail Vehicles), ISO 5658-2 (Goods Rail Vehicles)

External weathering: 8 years for black and white, 7 years for colours and 5 years for metallics; in vertical exposure under Northern European conditions.

Chemical Resistance: Resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali for example diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds etc.