

## Technical Datasheet - Fluorescent Graphics

### Fluorescent Vinyl - Yellow / Orange / Pink / Green

Film thickness: 100 micron (0.100mm) (ISO 4591:1992)  
Adhesive thickness: 40 micron (0.040mm) (ISO 4591:1992)  
Adhesive type: Grey Permanent Cross-Linking Acrylic  
Release liner: 150gsm PE Coated Printed Grey

Storage: Two years, out of direct sunlight at 23°C and 50% humidity  
Tensile: >15.0 N/mm<sup>2</sup> (ISO 527:1996)  
Elongation >100% (ISO 527:1996)  
Adhesion 20 Mins/90°: 250 N/Metre (FINAT FTM2/Stainless Steel)  
Adhesion 20 Mins/180°: 520 N/Metre (FINAT FTM1/Stainless Steel)  
Adhesion 24 Hrs/180°: 760 N/Metre (FINAT FTM1/Stainless Steel)  
Static Shear (25 x 25mm): >15 hours (FINAT FTM8/Stainless Steel)  
Dimensional Stability (150 x 150mm/48 hours/70°C): <0.4mm (FTM14/Aluminium)

Gloss 60°: >85% (ASTM 523-89)  
Flammability: Self Extinguishing  
Artificial Weathering: >250 hours (QUV)  
Weathering (Orange/Pink/Green): 18 Months (Vertical Exposure/Mid Europe)  
Weathering (Yellow): 24 Months (Vertical Exposure/Mid Europe)  
Rivet Testing: No Cracking (KPMF ST 22)  
Application Temperature: Clean, dry surface +8°C to 25°C  
Service Temperature: -40°C to + 105°C

#### Adhesion Properties to Various Substrates for 24 hours at 23°C/180° Peel:

Aluminium - Untreated: 920 N/Metre  
Aluminium - Anodised: 1,000 N/Metre  
Stainless Steel: 760 N/Metre  
Chromed Steel: 750 N/Metre  
Polyurethane: 460 N/Metre  
Glass: 760 N/Metre  
Acrylic Sheet: 760 N/Metre  
ABS Sheet: 640 N/Metre

#### Resistance to various liquids after application and conditioned for 24 hours at 23°C (results examined 1 hour after test):

Humidity: No Effect (24 hours at 38°C and 100%)  
Water (Distilled): No Effect (24 hours at 32°C)  
Sea Water: No Effect (1 year Mid Tide - BS 5609:1986)  
Reference Fuel: Very Slight Film Softening (1 hour at 23°C)  
Diesel Fuel: No Effect (1 hour at 23°C)  
SAE Motor Oil: No Effect (24 hours at 23°C)  
Antifreeze/Water (1:1): No Effect (24 hours at 23°C)  
Detergent Solution: No Effect (8 hours at 65°C)  
Hydraulic Oil: No Effect (24 hours at 23°C)  
Battery Acid: No Effect (24 hours at 23°C)