



A Bemis Company

Multi-fix Series 5500

Description

Multi-fix Series 5500 Metallic is a range of extra sparkle PVC film for indoor and outdoor application. It is the great solution for wide sign production as of its low cost and 5 dazzling colours. Multi-fix Series 5500 has a solvent-based adhesive that is repositionable which means placement errors can be corrected before adhesive cures. Multi-fix can be removed from most substrates after many years without leaving adhesive residue. This is a major benefit over competitive brands of vinyl. Ease of cutting and weeding makes Series 5500 especially suited to production of small text. Series 5500 backing paper is printed with a distinctive red trade-mark.

Construction

PVC: Polyvinyl chloride, monomeric, stabilized, UV protected, precision calandered, cadmium free.

Adhesive: solvent-based acrylic, clear, pressure sensitive, permanent

Backing paper: kraft, clay-coated, double calandered, siliconised one side

Durability

Average durability is five years in middle European weather conditions. Exposure to severe temperatures, intense ultraviolet light and conditions in southern European countries, tropical, subtropical, desert regions, industrially polluted areas or high altitudes may reduce durability to four years or less. Correct substrate preparation and maintenance of vinyl will enhance durability.

Shelf life

3 years when stored at moderate temperature and humidity .

Temperature ranges

Application	> 10°C
End Use	- 40°C to + 90°C
Storage (optimum)	15°C to 20°C

Physical Properties

1. Vinyl

Thickness	75my	DIN 53353
Tensile strength at break: N/mm ² (speed 200mm/min)	MD min. 28 CD min. 26	DIN 53455
Elongation at break:	MD min.150% CD min. 200%	DIN 53455
Dimensional stability: (48 h at 70°C.)	<0.5% shrinkage	

2. Adhesive

Weight: 23 gr/m²
Adhesion: >19 N/25mm (Finat-1 test method)
UV resistance 5 to 7 years

3. Backing Paper

Thickness: 140 my
Weight: 140gr/m²

4. Chemical resistance

Multi-fix is resistant to most oils, fats, fuels, aliphatic solvents, mild acids, salts and alkali, for example:

Test Agent	Test Time	Test Result
Salt water 10°C to 75°C:	2000h	no effect
Motor oil 20W/50:	500h	no effect
Transmission fluid:	500h	no effect
Antifrost:	500h	no effect
Petrol:	24h	no effect

Test method: Samples of Multi-fix Series 5500 were applied to Enameled steel-sheet one hour before testing. Samples were immersed in the specified test-agent at room temperature then removed after the Test times noted above.

Important Notice

The above information is based upon data we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for their specific purpose.

Series 5500

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