



**A Bemis Company**

## **Multi-fix Series 5000**

### **Description**

Multi-fix Series 5000 is the ideal solution for general sign production because of its low cost and large colour range; 48 high-gloss. Multi-fix adhesive 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 5000 especially suited to production of small text. Series 5000 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.

In general metallic films are more sensible in outdoor exposure, the average durability is 2-max 3 years, depending from the application conditions.

### **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 <sup>2</sup>	MD min. 28	DIN 53455

(speed 200mm/min)  
Elongation at break:

CD min. 26  
MD min. 150%  
CD min. 200%  
<0.5% shrinkage

DIN 53455

Dimensional stability:  
(48 h at 70°C.)

## **2. Adhesive**

Weight: 23 gr/m<sup>2</sup>  
Adhesion: >19 N/25mm (Finat-1 test method)  
UV resistance 5 to 7 years

## **3. Backing Paper**

Thickness: 140 my  
Weight: 140gr/m<sup>2</sup>

## **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 5000 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**

All Multi-fix products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Multi-fix products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

Because of the variety of uses of Multi-fix products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.

Series 5000

[www.multi-fix.com](http://www.multi-fix.com)

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