

# Multi-fix Series 6050PE dig white

## TECHNICAL DATA SHEET



A Bemis Company

### 1. Product description

6050PE is a hybrid vinyl, uniquely plasticised for enhanced compatibility with modern ink formulations. Primary characteristics are:

- Highly compatible with eco-solvent, light solvent and most full-solvent inks.
- Exceptional stay-flat backing paper won't wrinkle or curl in any climate (reduced head-strike).
- High ink-bite allows printing at lower temperatures (can reduce clogging of nozzles).
- Precise white-point for unmatched colour accuracy.
- Unique adhesive allows large prints to be applied with ease.
- Consistent surface finish throughout rolls and from batch to batch.
- High dimensional stability (after printing).
- High-gloss vivid white surface finish.
- Excellent removability from most substrates after many years, with little or no adhesive residue.

### 2. Product construction

Vinyl:	plasticised PVC (stabilized, UV protected, precision calendered).
Adhesive:	solvent-based acrylic (clear, pressure sensitive, permanent).
Backing Paper:	polyethylene lined kraft paper (precision calendered, siliconised one side).

### 3. Durability

Average outdoor durability is six years (unprinted). Exposure to severe temperatures, aggressive solvents and corrosive chemicals may cause premature degradation. Correct substrate preparation will enhance durability.

### 4. Shelf life:

3 years when stored at moderate temperature and humidity.

### 5. Temperature ranges

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

## **6. Physical and Chemical characteristics**

### **Vinyl**

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

### **Adhesive**

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

### **\* Chemical Resistance**

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

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

Test method: Samples of Digital White 6050PE 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**

Multi-fix products are subject to careful quality-control during the manufacturing process.

They are warranted to be free from defects in workmanship or materials.

Multi-fix publishes technical data regarding the products based on information it believes to be reliable; however, such information does not constitute a warranty.

The purchaser should carefully consider the suitability of the products for each intended use and the purchaser shall assume all risks regarding each use.

The seller shall not be liable for damages in excess of the sale price of the products nor for incidental or consequential damages.

All technical data is subject to change without notice.