

# Multi-fix Series 6511 Multi-laminate



## Technical Data Sheet

### 1) PRODUCT DESCRIPTION

The MULTI-LAMINATE is a series of pressure sensitive products used for protecting digitally printed graphics. It provides fast, efficient processing through roll lamination techniques (roller or squeege) without the need of high temperatures.

The MULTI-LAMINATE 6511 is a sand structured PVC film recommended to protect the Digital White Printing media 6010-11-15 PE, 6020 PE, 6050-51-52, 6057 and the Fixfree 650P/R 5295PE.

|                    |  |
|--------------------|--|
| FACE MATERIAL 6511 | 125 µm clear sandy structured PVC film     |
| ADHESIVE :         | Clear permanent acrylic adhesive           |
| LINER :            | Kraft clay coated paper 80g/m <sup>2</sup> |

### 2) PHYSICAL PROPERTIES

|                               | <i>Typical values</i> | <i>Test method</i>          |
|-------------------------------|-----------------------|-----------------------------|
| <b>Adhesive</b>               |                       |                             |
| Quick Tack on glass (N/25 mm) | 16                    | FTM 9                       |
| Peel 180° on glass (N/25 mm)  |                       |                             |
| - after 20 minutes            | 16                    | FTM 1                       |
| - after 24 hours              | 20                    | FTM 1                       |
| Gloss (85° angle)             | 12                    | ASTM D-523                  |
| Dimensional stability         |                       |                             |
| - MD                          | 1 %                   | FTM 14                      |
| - CD                          | 0.5 %                 |                             |
| Flammability                  | self-extinguishing    | Sample mounted on aluminium |

### 3) TEMPERATURE RANGES

|               |   |
|---------------|---|
| Application : | +5 °C to + 40 °C                          |
| End-use :     | -30 °C to + 70 °C                         |
| Storage :     | +15 to 25 °C and ± 50 % relative humidity |

### 4) SHELF LIFE & DURABILITY

6511 can be stored for 2 years at recommended storage temperature and humidity without alteration of its performance.

6511 will give satisfactory performance up to 3 months of indoor exposure.

The durability does not relate to the image protected but only to the laminating film.

**Note :** These end-use life estimates are based on accelerated ageing studies and **outdoor** exposure, under conditions experienced in vertical exposure and in "normal" temperate climates. Exposure to severe humidity and ultraviolet light, as in southern European countries, and also in tropical, sub-tropical or desert

regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude, horizontal and/or south-facing exposure, very dark inks, where durability may be divided by 2.

## **RECOMMENDATIONS**

- Always test the combination of MULTI-LAMINATE 6511, printing media and inks prior to commercial use
  - When laminating digital prints, ensure the print is perfectly dry (wait min. 48 h before transport or lamination)
  - For outdoor use, the edges of the print should be sealed in order to avoid water penetration.
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- *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.*
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