

Multi-fix Series 7900

TECHNICAL DATA SHEET



Product Description

Multi-fix series 7900 is the ideal solution for quality signs, marine and vehicle graphics. Series 7900 is available in 48 high-gloss colours that exhibit better than average opacity. 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 7900 especially suited to production of complex graphics.

Construction

Vinyl: Phthalate free polyvinyl chloride, polymeric, 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 six to eight years in middle European weather conditions. Exposure to severe temperatures, intense ultra-violet light, as well as conditions in southern-European countries, tropical, sub-tropical, desert regions, in industrially polluted areas or high altitudes, may reduce durability to five 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	15°C to 20°C

Physical Properties

1. Vinyl

Thickness 7998 / 7999	60my	DIN 53353
Thickness	70my	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: (48h at 70°C)	<0.5% shrinkage	

2. Adhesive

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

3. Backing paper

Thickness: 140 my
 Weight: 140gr/m²

Chemical resistance

The vinyls are resistant to most oils and fats, fuels, aliphatic solvents, mild acids, salts and alkali such as:

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 7900 were applied to enamelled 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.

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