

This technical data refers to the following Lighthouse premium grade vinyl & W.R.A.P. vinyl colours used with the CPM-100, CM-200, CJ-200C and CJ Pro systems:

**CPM11, CPM17, CPM19, CPM61, CPM67, CPM69-71, CM5019, CM5022, CM5023, CM5055, CM6001, CM6004, CM6007, CM6009, CM6070-72, CJP1101, CJP1102, CJP1104, CJP1604, CJP1701, CJP1702, CJP1704, CJP1901, CJP1902 & CJP1904**

### DESCRIPTION

High performance polymeric stabilised soft vinyl coated with a durable permanent adhesive giving excellent dimensional stability, designed for trouble free computer cutting and fast weeding, even for small letters and fine lines.

### ADHESIVE

High quality clear solvent based permanent acrylic adhesive.

### LINER

Highly stable 135 gsm white kraft paper.

### TYPICAL USES

Designed for long term interior and exterior marking applications (vehicle marking, window graphics, signs...).

### TECHNICAL DATA

<b>Thickness</b> (film only)	66 microns
<b>Durability</b> (vertical weathering in central European climate)	7 years: colours 5 years: metallics
<b>Adhesion</b> (FTM 1)  20 min on stainless steel 1 week on stainless steel	16 N/25mm 20 N/25mm
<b>Dimensional stability</b> (FTM 14) 48 H at 70°C on aluminium	<0.1%
<b>Minimum Application Temperature</b>	+8°C
<b>End Use Temperature</b>	From -40°C to +90°C
<b>Tensile Strength</b> (DIN 53455-5)	>27 N/15mm
<b>Elongation at Break</b> (DIN 53455-5)	>150%
<b>Shelf Life</b> (20°C – 50% relative humidity)	2 years
<b>Resistance To Solvents And Chemicals</b> (applied on stainless steel 72 hours before immersion)	Resistant to most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.
<b>Flammability</b> (ISO 3795)	Self-extinguishing, applied on aluminium

### IMPORTANT NOTICE

All Lighthouse 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 Lighthouse products is based on research, which the Company believes to be reliable, although such information does not constitute a warranty.

Because of the variety of uses of Lighthouse 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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**CPM01-10, CPM12, CPM18, CPM22-24, CPM62, CPM64, CM5001, CM5004, CM5007, CM5011, CM5013-15, CM5081-82, CM5088, CM5093, CM6002, CJP0101-02, CJP0104, CJP0115, CJP0201-02, CJP0204, CJP0215, CJP0301-02, CJP0304, CJP0401-02, CJP0404, CJP0501-02, CJP0504, CJP0601-02, CJP0604, CJP0701-02, CJP0704, CJP0801-02, CJP0804, CJP090102, CJP0904, CJP1001-02, CJP1004, CJP1201-02, CJP1204, CJP1801-02 & CJP1804**

### DESCRIPTION

Calendered soft vinyl film coated with a permanent acrylic adhesive.

### ADHESIVE

High quality solvent based permanent acrylic adhesive.

### LINER

Highly stable 135 gsm white kraft paper.

### TYPICAL USES

Medium term marking film designed for outdoor applications (vehicle marking, window graphics, signs...) and for indoor applications (exhibition stands).

### TECHNICAL DATA

<b>Thickness</b> (film only)	70 microns
<b>Durability</b> (vertical weathering in central European climate)	5 years: black and white 4 years: all colours
<b>Adhesion</b> (FTM 1)  20 min on stainless steel 1 week on stainless steel	14 N/25mm 19 N/25mm
<b>Dimensional stability</b> (FTM 14) 48 H at 70°C on aluminium	<0.3%
<b>Minimum Application Temperature</b>	+10°C
<b>End Use Temperature</b>	From -40°C to +80°C
<b>Tensile Strength</b> (DIN 53455-5)	>25 N/15mm
<b>Elongation at Break</b> (DIN 53455-5)	>150%
<b>Shelf Life</b> (20°C – 50% relative humidity)	2 years
<b>Resistance To Solvents And Chemicals</b> (applied on stainless steel 72 hours before immersion)	Water, water and detergent, alcohol: unaffected. Oil, gasoline: affected (lifting around edges).
<b>Flammability</b> (ISO 3795)	Self-extinguishing, applied on aluminium

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**CPM60, CPM63, CPM65-66, CPM68, CM6000, CM6003, CM6005, CM6006 & CM6008**

### DESCRIPTION

A calendered soft vinyl film, coated with a semi-permanent acrylic adhesive giving excellent dimensional stability. It can be removed, at room temperature, from the substrate without leaving adhesive residue, for periods of up to 2 years after application.

### ADHESIVE

High quality solvent based semi-permanent acrylic adhesive.

### LINER

Highly stable 135 gsm white kraft paper.

### TYPICAL USES

Medium term marking film designed for outdoor applications (vehicle marking, window graphics, signs...) and for indoor applications (exhibition stands).

Application is possible at temperature down to 0°C.

### TECHNICAL DATA

<b>Thickness</b> (film only)	70 microns
<b>Durability</b> (vertical weathering in central European climate)	4 years: black and white 3 years: all colours
<b>Adhesion</b> (FTM 1)  20 min on stainless steel 1 week on stainless steel	2.5 – 5.5 N/25mm 5.0 – 10 N/25mm
<b>Dimensional stability</b> (FTM 14) 48 H at 70°C on aluminium	<0.1%
<b>Minimum Application Temperature</b>	+0°C
<b>End Use Temperature</b>	From -40°C to +70°C
<b>Tensile Strength</b> (DIN 53455-5)	>25 N/15mm
<b>Elongation at Break</b> (DIN 53455-5)	>150%
<b>Shelf Life</b> (20°C – 50% relative humidity)	2 years
<b>Resistance To Solvents And Chemicals</b> (applied on stainless steel 72 hours before immersion)	Water, water and detergent, alcohol: unaffected. Oil, gasoline: affected (lifting around edges).
<b>Flammability</b> (ISO 3795)	Self-extinguishing, applied on aluminium

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