

This technical data sheet refers to the following Lighthouse product(s):

**CPMUB01-05 & CPMUB07-08, CMUB01-02 & CMUB08, Lighthouse Ultrabond<sup>®</sup>**

### DESCRIPTION

Lighthouse Ultrabond<sup>®</sup> is a high opacity, high gloss vinyl, with a specialised permanent acrylic adhesive. Thanks to its high tack, flexible characteristics, the vinyl is easy and quick to manage; making it perfect for long term durable applications. All Lighthouse Ultrabond<sup>®</sup> materials have been extensively tested for compatibility with Lighthouse thermal resin ribbons.

### CONSTRUCTION

<b>Face Material</b>	PVC (polymeric softeners)
<b>Thickness</b>	~ 75µm
<b>Adhesive</b>	Acrylic pressure sensitive adhesive Square quantity: ~ 30g/m <sup>2</sup>
<b>Release Liner</b>	PE-coated silicon cardboard (both sides) Square weight: ~ 144g/m <sup>2</sup>

### CHARACTERISTICS

<b>Adhesive Strength</b>	<b>(ASTMD-903)</b>
<b>Immediately</b>	~ 12 N/25 mm
<b>After 1 week</b>	~ 23 N/25 mm

<b>Dimensional Stability</b>	Applied onto aluminium Max. -0.45% after 48 hours stored at 70°C (25 x 25 cm)
<b>Chemical Resistance</b>	In a preece test of 24 hours the applied film is resistant to most petroleum based oils, greases and aliphatic solvents, mild acids, alkalies and salts.
<b>Light Proofness</b>	<b>DIN 53 388</b> Non-fade grade: 6-8 (Woll-Scale)
<b>Combustibility</b>	Stuck on aluminium, the vinyl is self-extinguishing.
<b>Application Temperature</b>	Min. 15°C
<b>Service Temperatures</b>	-30°C up to +80°C
<b>Durability</b>	Minimum 7 years outdoors, with vertical exposure, in middle-European climate.

### APPLICATION

Application dry or damp. If Applied damp, a possible whitening of the adhesive occurs but will fade away after a couple of days depending on the weather.

### SHELF LIFE

3 Years when stored at 15 - 25°C and +50-60% relative humidity.

### 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.