

Mactac ColourWrap Series

PRODUCT DESCRIPTION

Mactac ColourWrap series are 3D conformable coloured cast wrapping films with gloss, gloss metallic, matt and matt metallic finishes coated with micro-structured acrylic adhesive.

Mactac ColourWrap Series has been developed especially for full vehicle wrapping purposes.

Face material

80µm gloss, matt and metallic **3D conformable cast vinyl**

Adhesive:

Repositionable clear solvent based acrylic adhesive.

Liner

Highly stable 145 gsm white micro-embossed PE coated paper.

TYPICAL USE

Mactac ColourWrap Series has been developed for vehicle and boat* customisation enabling full wrapping around curves and recesses on painted metal substrates. (*above the waterline)

SHELF LIFE

2 years, when stored at 15-25°C and ± 50 % relative humidity

PHYSICAL PROPERTIES (TYPICAL VALUES)

Average values Test method

Adhesive data, 23°C (N/25 mm)

	Average values	Test method
Peel 20 min on Stainless Steel	13	FTM1
Peel 24 hours on Stainless Steel	17	

Facefilm data, 23°C

	Average values	Test method
Tensile Strength	> 25 MPa	DIN ISO 527-3
Elongation at break	>150%	DIN ISO 527-3

Dimensional stability

	Average values	Test method
Shrinkage (48 hours at 70°C applied on aluminium)	Max. 0.3 mm	FTM 14

Temperature ranges

Application temperature	+ 10°C to + 40°C
Service temperature range of use	- 40°C to + 90°C

EXPECTED DURABILITY

Vertical Durability			
	Zone 1	Zone 2	Zone 3
White & Black	8 years	5 years	3 years
Colours*	6 years	4 years	2 years
Metallics	4 years	3 years	1.5 years
Horizontal Durability			
White & Black	5 years	3 years	1.5 years
Colours*	3 years	2.5 years	1 year
Metallics	2 years	1.5 years	6 months

*Note: Despite being solid colours, the expected durability of Gloss Saffron Yellow (LA0660001), Gloss Lemon Yellow (BQ7980001), Gloss Yellow (LA0870001) and Gloss Frog Green (LA0740001) is equal to the one of metallics (row 3 in the table).

This information is based on artificial aging according to ISO 4892-3.

Exterior boat application with Mactac Sealer: above data reduced by 30%

Zone 1: North, West, Central & Eastern Europe, North America (excl. desert areas of the USA : Arizona, California, Florida, Nevada, New Mexico, Texas, Utah, as well as Mexico which all belong to zone 3)

Zone 2: South Europe, Central & South America, Asia Pacific, Australian South coastal area (from Perth to Brisbane), New Zealand, all geographical area in Zone 1 which are above 1000 meter altitude

Zone 3: Greater Middle East (e.g. Egypt, Israel, Iran, Maghreb countries, UAE, ...), Africa, Australian Desert areas & North of Perth-Brisbane coastal area, USA (Arizona, California, Florida, Nevada, New Mexico, Texas, Utah), Mexico

Exposure to severe temperatures, ultraviolet light, and/or conditions in Southern European countries, tropical, subtropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitude and south-facing exposure.

PROCESSING

Clean and degrease the substrate

All surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination. Use soap and water to remove the dust and degrease with Mactac Cleaner (Product Code: BO7680001). Application of the product is recommended only on painted metal surfaces. Painted metal surfaces selected for application need to be properly cured accordingly to paint manufacturer's instruction.

Application

Apply Mactac ColourWrap Series with the dry application method.

For full details on application of Mactac ColourWrap Series, please refer to Technical Bulletin 3.0.

Application on boat(above the waterline)

We recommend sealing the edges using Mactac Sealer (Product Code: BP2540001).

Removability

Once heated, Mactac ColourWrap series is easy to remove, leaving almost no adhesive residue on car body.

Some adhesive residue may be expected after film removal. Eventual adhesive residues can be removed with Mactac Remover (Product Code: BO7710001).

REMARKS

Compatibility with paints and lacquers should be tested by the end-user, prior to use.

Due to the finish and manufacturing process of Mactac ColourWrap series, variances in colour can be observed when the material is oriented in different directions. While working with Mactac ColourWrap series, always keep the application direction of the film consistent with the orientation of the film. That is needed from the moment you cut from the roll and until it is applied to the vehicle.

Some slight colour shift may occur between rolls or lots, therefore, minimizing the mixing of rolls/lots on a specific vehicle is recommended.

DISCLAIMER

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