

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)

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. 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.

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

SHELF LIFE

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

Metallic colours - 1 year when stored at 15-25°C and ± 50 % relative humidity

PHYSICAL PROPERTIES (TYPICAL VALUES)

Average Values Test Method

Face Material data, 23°C		
Tensile Strength	20 MPa	DIN ISO 527-3
Elongation at Break - colors	150 %	DIN ISO 527-3
Elongation at Break - metallic colors	100 %	DIN ISO 527-3
Adhesive data, 23°C (N/25 mm)		
Peel adhesion 180° on stainless steel		
- 20 min. residence	13	FTM1
- 1 week residence	18	FTM1
Dimensional stability		
Shrinkage (48 hours at 70°C applied on Aluminium)	Max 0.3 mm	FTM14
Temperature ranges		
Application (°C)	+ 18°C to + 40°C	
End-use (°C)	- 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 month

*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). Gloss Night Blue (LB3380001) and Gloss Light Blue (LB3390001) have a durability of 2 years in zone 2 Horizontal.

This information is based on artificial aging according to ISO 4892-2.

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

For more details about durability and zone classification, please refer to TB 7.5 "Outdoor Durability of Mactac Graphics - Self-adhesive films"

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.

DISCLAIMER

For more information on the durability and exposure please visit the "Mactac Technical Bulletin TB 7.5 Outdoor Durability of Mactac Graphics - Self-adhesive films" on the [www.https://www.mactacgraphics.eu](https://www.mactacgraphics.eu) website.

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