

GRAFIPRINT PRINT MEDIA MONOMERIC (M-Series)



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Description

Grafiprint monomeric print media (M-Series) are soft, monomeric calendared PVC films, especially developed to be used on solvent printers (eco/mild/hard), latex printers and UV printers. The films are provided with a pressure-sensitive acrylic adhesive. This adhesive is protected by a high-quality silicone paper.

Characteristics

- Finish : transparent or white, glossy or matt.
- Most of these products have an outdoor life expectancy up to 3 years (see product data sheet), for vertical applications and under Central-European conditions.

Application

Grafiprint monomeric digital print media have been developed especially for all sorts of indoor applications and short-term outdoor applications on an even surface.

→ *Other applications in close consultation with Grafityp !*

Limitations

Limitations are mentioned for each product group separately in the respective technical data sheets, of which you can find the most recent version on the Grafityp website (www.grafityp.com).

Warranty

Please consult the General Grafiprint Warranty Certificate for detailed warranty declarations of the Grafiprint print media. The most recent version of this warranty certificate will be available on the Grafityp website (www.grafityp.com).

Mounting Instructions

Grafityp provide trainings in various levels, enabling the customer to mount these films in a professional and skilled way. A detailed manual on the application of Grafiprint films can be found on the Grafityp website (www.grafityp.com).

Before mounting

A brief preceding study will save you a lot of time and will guarantee a better end result. Always check the following points :

- What kind of surface do you want to apply the film onto, and is it suited for sign making ?
- This film is ideal for all indoor and outdoor sign making on an even, smooth surface.
- Check in the table on the next page which material is best suited for your particular job.

Make sure all necessary equipment and materials are ready at hand before starting the job.

Pay attention to your own safety and health. Take into account all safety prescriptions of the suppliers when using electric equipment and products that are necessary to complete the job successfully.

Make sure you comply with the legislation in your country. For some advertisement panels you may need a building permit.

Grafiprint print media Monomeric (M-Series)	Recommended Grafiprint laminates	Even	Slightly undulating	Rivets	Strongly undulating	Deep indents	Vehicles, wrapping		Short-term	Middle-term	Long-term
M010P – M011P – M011R Mx110UR – Mx111UR	M010P – M011P	☺	☺						☺		
M112P – M112R – Mx112P Mx112UR – M112SHT	M010P – M011P	☺	☺						☺	☺	
M113P – M113R – Mx113UR M113HT	M010P – M011P	☺	☺						☺	☺	
M114P – M114R – Mx114P	M010P – M011P	☺	☺						☺	☺	
M116P – M116R – NM116HT	M010P – M011P	☺	☺						☺	☺	
M150R	M010P – M011P	☺	☺						☺		
M150HT	M010P – M011P	☺	☺						☺	☺	

The preparation

Tip : preferably use the combinations of Grafiprint print media + laminates, recommended by Grafityp. Don't combine cast films with e.g. calendered or non-pvc films, one kind on top of the other. They have different characteristics, which may have a negative effect on the end result.

Tip : check whether certain materials are suited for wrapping. This can be done very easily. Clean the surface thoroughly and do the drop test. If you pour water on the surface, it shouldn't form drops. If drops appear on the surface, the material is not suited for wrapping with any material. A structured surface also means a reduced adhesion, which is not to be advised.

Cleaning :

- The surface needs to be cleaned thoroughly.
- Watch out for damage, caused by some corrosive products.
- When everything is completely clean, the complete surface needs to be cleaned once again with isopropanol. Isopropanol removes all detergents that stayed behind on the surface.
- Other objects to be wrapped always need to be cleaned and degreased thoroughly before you start wrapping them.
- If you need to apply the film on sawn panels, it is of utmost importance that the sawn edges of these panels are cleaned thoroughly. Use compressed air to do so. After all, a lot of dust creeps into these edges, which is electrostatically attracted by the vinyl and thus gets in between the vinyl and the panel.

Tip : Keep your material, with the application film on top of it, flat and on top of each other, making sure it is deformed as little as possible. If you need to enroll the material, make sure it is enrolled with the application film at the outside.

Laminating

There are various ways to laminate the print media :

- Cold lamination : can be used for most applications
- Warm lamination : is always better and is advised for wrapping. Warm lamination is done by heating your laminated print at the bottom side (= by heating the backing paper instead of the laminate).

Follow the instructions in the manual and pay attention to the safety instructions that come with your laminator.

Allow your print to dry for at least 24 to 48 hours (or even longer, depending on the amount of ink) before laminating it, and wait for another 24 hours before applying the film.

The application

Tip : make sure the workshop is dust-free, that the necessary ambient temperature has been reached, and that the job can not be complicated by direct sunlight or by a heat source. Also make sure the floor is completely clean, as the vinyl gets statically loaded during the application process, thus attracting dust very easily.

The vinyls are always applied dry.

Run a couple of tests first. They can save you a lot of work. Apply a test strip and check whether it sticks well enough.

The tools :

- Squeegees
- Cutting knife
- Sufficient light
- Roll of tape
- Electric current
- Meter, felt-tip, pencil,...

The preparation :

- Place the vinyl (with its backing paper) on the surface. Use paper tape or a pencil crayon to do so.
- Always avoid cutting in the panel or on glass. This can cause scratches.
- Apply some reference points where vinyl and panel meet, so you can easily place the vinyl at its exact position again.

The application of the vinyl :

- Remove the backing paper from the film.
- Position the film without folds against the reference points you applied earlier.
- Rub the vinyl smoothly by means of the squeegee. Make sure that the air between the object and the vinyl can always escape.
- A detailed manual for the application of films, provided with an application films, can be found on www.grafityp.com (Download – Manuals).

For the application of wall deco films, please consult the Wall Deco Application manual.

The finishing

Small air bubbles will disappear automatically after a certain period of time. Larger air bubbles on even surfaces need to be punctured to allow the air to escape.

Cleaning and maintenance

- We advise you not to clean the film with a high-pressure cleaner.
- Advertisement panels at the side of the road are exposed to water and dust day after day. Vinyl is a soft material. Therefore the cleaning and maintenance shall only be executed with non-scouring cleaning agents, without strong solvents or corrosive ingredients.

Removal

The Grafiprint print media have been developed especially not to leave behind any glue residues when removing them. If you wish to remove the vinyl, we advise you to heat it with a heat gun. Pull off the film under an angle of +90°.

The "R" versions have been developed in such a way that they can be removed with ease without leaving behind any glue residues. As this is a removable product, it is not necessary to heat the vinyl in order to remove it. In colder temperatures, we advise you to heat the vinyl anyway with a heat gun. Pull off the film under an angle of +90°. If the film is applied over another layer of vinyl (even if it is Graficast), it will always be harder to remove, even if you are using the removable series. It is always possible that the underlying layer of vinyl comes off the surface as well when the top layer is removed.

If any glue stays behind on the surface, you can remove it with isopropanol.

Tip : if any glue residues stay behind, it is often because the vinyl is too warm and the adhesive is too cold. Just wait for a moment until the heat has reached the area between the adhesive layer and the paintwork, and things will become a lot easier. You will find the right balance between heating and removing the vinyl after some practice.

Product range

Grafiprint monomeric print media are available in the following versions :

Reference	Description	Adhesive	Air Escape Adhesive technology	Thickness film (DIN 53370) *
M010P	Transparent glossy	Permanent		80 µm
M010R	Transparent glossy	Removable		80 µm
Mx110UR	Transparent glossy	Ultra removable	☺	100 µm
M011P	Transparent matt	Permanent		80 µm
Mx111UR	Transparent matt	Ultra removable	☺	100 µm
M112P	White glossy	Permanent		100 µm
Mx112P	White glossy	Permanent	☺	100 µm
M112SHT	White glossy	Super high tack		100 µm
M112R	White glossy	Removable		100 µm
Mx112UR	White glossy	Ultra removable	☺	100 µm
M113P	White matt	Permanent		100 µm
M113HT	White matt	High tack		100 µm
M113R	White matt	Removable		100 µm
Mx113UR	White matt	Ultra removable	☺	100 µm
M114P	White glossy	Grey permanent		100 µm
Mx114P	White glossy	Grey permanent	☺	100 µm
M114R	White glossy	Grey removable		100 µm
M116P	White matt	Grey permanent		100 µm
NM116HT	White matt	Grey high tack		100 µm
M116R	White matt	Grey removable		100 µm
M150R	White glossy (wall deco)	Removable		150 µm
M150HT	White glossy (wall deco)	High tack		150 µm

* The thickness of the Grafiprint print media may vary slightly. The values mentioned are average values, obtained from a series of measurements.

Product Characteristics

A detailed overview of the product characteristics can be found on the respective technical data sheets, of which you can always find the most recent version on the Grafityp website (www.grafityp.com).

Storage Instructions

All Grafiprint materials always need to be stored in their original packing and with the original protection flanges (and preferably stored vertically).

In order to avoid any loss of quality, the Grafiprint materials should also be stored in suitable conditions, that is at a temperature between 10 and 20°C and a relative humidity of 50 %.

Under these conditions the Grafiprint materials can be stored up to two years.

Important

The information mentioned in this product bulletin is based upon tests that were executed by Grafityp and that we consider to be reliable. The information always represents an average, a minimum or a maximum value, and should be considered as such. It is only given for your information, and does not give any guarantee. Grafityp cannot be held responsible for any damage, either direct or indirect, resulting from the use of the film. It is up to the user to decide whether or not the product is suited for his particular application.

Technical Service

If you have any technical questions with regard to the Grafiprint films you can always contact our technical department :

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