

PRODUCT DATA SHEET

GRAFIWRAP AMD FILMS CAST MATT

REFERENCES MSCx01 to MSCx60

RELEASE 01.12.2020

GRAFITYP

makes you stick

DESCRIPTION

The GrafiWrap AMD (Automotive & Deco) MSCx series, with references MSCx01 up to MSCx60, is a multi-layered cast matt PVC film with a permanent adhesive.

COMPOSITION

FILM

100µm multi-layered cast matt PVC film.

ADHESIVE

Transparent permanent pressure-sensitive solvent-based acrylic adhesive.

Grey adhesive for MSCx01, MSCx20 and MSCx30.

RELEASE LINER

Structured siliconized PE-coated paper of 145 g/m², which gives the film an air escape effect.

APPLICATION

Thanks to its exceptional smoothness and good deformability the GrafiWrap cast MSCx film is perfectly suited for vehicle wrapping and for interior design, but also for sign making on cars, boats, trucks and aeroplanes, and for stripings in the automotive industry. It can be used for indoor and outdoor applications.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- Extremely flexible – suited for all difficult applications, such as car wrapping.
- Extremely decorative – suited for all creative designs.
- Air escape technology.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- 1 **Thickness film (1)**
Thickness film + adhesive + release liner
- 2 **Elongation at break (production length) (2)**
Elongation at break (cross)
- 3 **Dimensional stability (3)**
- 4 **Adhesion strength after 20 minutes (4)**
Adhesion strength after 24 hours
- 5 **Quickstick (5)**
- 6 **Max. outdoor life span (unprinted) (6)**

- 7 **Temperature range during application**
Temperature range at use

- 8 **Flammability**
If applied on aluminium, glass, steel = self-extinguishing

(1) Average

(2) Maximum

(3) Average

(4) Average

(5) Central-European conditions

TEST METHOD

RESULT

Din53370	100µm 315µm
Din53455	> 150% > 150%
Finat 14	< 0,2mm
Finat 1	15 N/25mm 18 N/25mm
Finat 9	10 N
-	Flat and slightly curved applications: Adhesion: 10 years Colour: 7-10 years Full wrap: 3-5 years
-	+5°C up to +40°C -25°C up to +100°C

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STORAGE INSTRUCTIONS

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

In order to avoid any loss of quality, the GrafiWrap materials should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions GrafiWrap materials can be stored for a period of two years.

COLOUR OF THE FILM

The colour of the GrafiWrap film may come off slightly because of over-pigmentation, but as the film is coloured in the mass, this will have no influence on the UV-resistance and the eventual colour of the film.

As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job. The number to be taken into consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

PRINT

The matt GrafiWrap films MSCx01, MSCx20 and MSCx30 are not suited for printing.

If you want to create matt printed graphics, we advise you to print on Grafiprint S34P (glossy print film, 50µm) and to laminate the print with Grafiprint LAMx45 (matt laminate, 40µm).

IMPORTANT

The information mentioned in this product data sheet 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 given only for your information, and does not give any guarantee. It is up to the end user to decide whether or not the product is suited for his particular application.

The expected outdoor life span refers to outdoor use under Central European conditions and to vertical application. Non-vertical application can reduce the life span up to 50%. The expected life span of our films is based upon professional application on a dry, degreased and suitable background. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.

The life span can also differ, depending on the colour (due to the pigmentation).

More information on this in our warranty certificates.

GrafiWrap films must only be applied to undamaged, original paintwork. Grafityp cannot be held responsible for any damage during application or removal, if the material is used on non-original or aftermarket paintwork.

Subject to modifications.

APPLICATION

When applying films, it is important that the right techniques are used for heating the material. More "tips & tricks" on the application of the GrafiWrap films can be found on our website (www.grafityp.com → Downloads → Manuals).

REMOVAL

In order to remove the film again, it should be heated thoroughly in order to prevent adhesive transfer.