

## PRODUCT DATA SHEET

# GRAFIWRAP AMD FILMS CAST COLOUR WAVE

## REFERENCES CWx11 to CWx15

RELEASE 01.12.2020

**GRAFITYP**  
makes you stick

### DESCRIPTION

The GrafiWrap AMD (Automotive & Deco) Colour Wave series, with references CWx11 up to CWx15, is a multi-layered cast glossy transparent PVC film with a colour wave effect (meaning that colours change depending on the viewing angle). The film comes with a permanent adhesive.

### COMPOSITION

#### FILM

100µm multi-layered cast glossy PVC film with a colour wave effect.

#### ADHESIVE

Grey permanent pressure-sensitive solvent-based acrylic adhesive.

#### RELEASE LINER

Structured siliconized PE-coated paper of 145 g/m<sup>2</sup>, which gives the film an air escape effect.

### APPLICATION

Thanks to its exceptional smoothness and good deformability the GrafiWrap cast colour wave 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

- Suited for all long-term and difficult applications, amongst which car wrapping.
- 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<br>315µm   |
| Din53455 | > 150%<br>> 150%   |
| Finat 14 | < 0,2mm  |
| Finat 1  | 19 N/25mm<br>23 N/25mm   |
| Finat 9  | 12 N   |
| -        | Even and slightly curved surfaces:<br>Adhesion: 5 years<br>Colour: 3-5 years<br>Full wrap: up to 3 years |
| -        | +5°C up to +40°C<br>-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.

### 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](http://www.grafityp.com) → Downloads → Manuals).

### REMOVAL

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