# ORACAL® CA SERIES

**Window films for cars**



## Short description

One-layered carbon car window film with ideal thickness and different colour tone options. ORACAL® CA window films are produced with advanced technology. The colour does not fade and the films are not reflective. Heat-blocking performance of this product is higher than conventional window films. ORACAL® CA offers an easy application if the right methods and devices are used. The ORACAL® logo is printed on the wipeable film surface of the car window films and can very easily be wiped off with isopropyl alcohol.

## Front material

PET film, 0.038 mm

## Liner

Polyester film, siliconised on one side

## Adhesive

Solvent-polyacrylate, permanent, Transparent, repositionable

## Technical properties

### RESISTANCE

| | | |
|---|---|---|
| Durability | with vertical outdoor exposure, normal Central European climate<br>7 Year(s) | |
| Shelf Life | 7 Year(s) | in original packaging, at 20 °C and 50% relative humidity |
| Temperature resistance | Minimum temperature -40 °C<br>Maximum temperature 100 °C | |

### ADHESIVE PROPERTIES

### PROCESSING

| | |
|---|---|
| Application temperature | Minimum temperature 10 °C |

### SUN PROTECTION PROPERTIES

| | |
|---|---|
| Glare reduction | 94 % |
| IR rejection | 31 % |

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| | |
|---|---|
| Reflecting (visible light, outdoors) | 5.1 % |
| Reflecting (visible light, indoors) | 4.8 % |
| Solar energy absorption | 60 % |
| Solar energy reflection | 5.7 % |
| Solar energy transmission | 34.3 % |
| Total solar energy rejection | 50 % |
| Transmission (visible light) | 5.5 % |
| UV rejection | 99 % |

## PRODUCT NOTE

Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material.

## IMPORTANT NOTES

All ORACAL® products are subject to careful quality control throughout the manufacturing process. It is guaranteed that the products are delivered in merchantable quality and free of manufacturing defects. The traceability of our goods in accordance with ISO 9001 is ensured by means of the roll number. The information published on ORACAL® products is based on research results which the company believes to be reliable, but which do not constitute a guarantee. Because of the wide variety of uses of ORACAL® products and the continuing development of new applications, it is the responsibility of the purchaser to carefully evaluate the suitability and performance of the product for its intended use. Furthermore, the processing instructions issued by ORAFOL must be observed. The purchaser bears all risks arising from the use of these products. All information is subject to change without notice. ORACAL® is a registered trademark of ORAFOL Europe GmbH.

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