

# ORACAL® 8300

## Transparent Cal

### Short description

UV-stabilised, transparent, coloured PVC film with a glossy surface.

### Front material

Soft PVC Film, 0.08 mm

### Liner

One-sided siliconized kraft paper, 137 g/m<sup>2</sup>

### Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.023 mm

### Recommended transfer materials

ORATAPE® HT95 Application Tape, ORATAPE® LT52 Application Tape, ORATAPE® LT95 Application Tape, ORATAPE® MT52 Application Tape, ORATAPE® MT72 Application Tape, ORATAPE® MT80P Application Tape, ORATAPE® MT95 Application Tape

### Technical properties

#### RESISTANCE

|                                      |                                                                                                                |                                                           |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Durability                           | with vertical outdoor exposure, normal Central European climate<br><br>5 Year(s)                               |                                                           |
| Shelf Life                           | 2 Year(s)                                                                                                      | in original packaging, at 20 °C and 50% relative humidity |
| Resistance to solvents and chemicals | Oils, Greases, Fuels, Weak acids, Salts and alkalis, Isopropyl alcohol, Washing suds (0.5 % household cleaner) | At room temperature                                       |
| Maximum shrinkage                    | Maximum shrinkage along 0.4 mm<br>Maximum shrinkage across 0 mm                                                | bonded to steel   FINAT TM 14                             |
| Elongation at break                  | Minimum elongation at break along 130 %<br>Minimum elongation at break across 150 %                            | DIN EN ISO 527                                            |

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|                               |                                                                                                             |                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Tensile strength</b>       | Minimum tensile strength along 19 N/mm <sup>2</sup><br>Minimum tensile strength across 19 N/mm <sup>2</sup> | EN ISO 527                                            |
| <b>Temperature resistance</b> | Minimum temperature -40 °C<br>Maximum temperature 60 °C                                                     | adhered on aluminium, central European normal climate |

### ADHESIVE PROPERTIES

|                       |            |                                                                    |
|-----------------------|------------|--------------------------------------------------------------------|
| <b>Adhesive power</b> | 18 N/25 mm | adhered on glass, after 24 h   Average value, FINAT TM 1           |
|                       | 16 N/25 mm | adhered on acrylic varnish, after 24 h   Average value, FINAT TM 1 |
|                       | 16 N/25 mm |                                                                    |

### PROCESSING

|                                        |                                  |                                                                                                  |
|----------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Application temperature</b>         | Minimum temperature 10 °C        |                                                                                                  |
| <b>Proposed application technology</b> | Wet application, Dry application | The films can be applied dry or moist, whereby a white colouring of the adhesive does not occur. |

### Certificates

- 8300 B-s1\_d0 - auf Glas - Klassifizierung nach DIN EN 13501-1 - ab 2014-10-29.pdf [\(Download\)](#)
- 8300 B-s1\_d0 - auf Glas - Klassifizierung nach DIN EN 13501-1 - ab 2014-10-29 engl.pdf [\(Download\)](#)
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### 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.

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### IMPORTANT NOTES

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