

# ORACAL® 951

## Premium Cast

### Short description

Moulded premium PVC film for plotter applications with optimum cutting and processing properties. Specifically developed for labelling, markings and decorations. Suitable in particular for high-quality advertising on vehicles and means of transport. Also applicable on uneven and curved substrates as well as in beads and over rivets. Surface high-gloss, in addition matt white and matt black. The high-gloss surface finish is suitable for digital thermal transfer printing (with resin ribbons).

### Front material

Cast PVC film, cast film, 0.05 mm

### Liner

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

### Adhesive

Solvent-polyacrylate permanent, Transparent, 0.03 mm

### Technical properties

#### RESISTANCE

|                                      |                                                                                                          |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Durability                           | with vertical outdoor exposure, normal Central European climate                                          |                                                                                                          |
|                                      | 10 Year(s)                                                                                               | Black, white                                                                                             |
|                                      | 8 Year(s)                                                                                                | Transparent, coloured                                                                                    |
|                                      | 6 Year(s)                                                                                                | metallic                                                                                                 |
|                                      | 3 Year(s)                                                                                                | Copper, gold metallic, bronze, lead gold, pyrite, red gold L, leaf green metallic, steppe green metallic |
| Shelf Life                           | 2 Year(s)                                                                                                | in original packaging, at 20 °C and 50% relative humidity                                                |
| Resistance to solvents and chemicals | Greases, Fuels, Weak acids, Salts and alkalis, Isopropyl alcohol, Washing suds (0.5 % household cleaner) | At room temperature                                                                                      |
| Maximum shrinkage                    | Maximum shrinkage along 0.1 mm<br>Maximum shrinkage across 0.1 mm                                        | bonded to steel   FINAT TM 14                                                                            |

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|                        |                                                      |                                                        |
|------------------------|------------------------------------------------------|--------------------------------------------------------|
| Elongation at break    | Minimum elongation at break along 150 %              | DIN EN ISO 527                                         |
|                        | Minimum elongation at break across 150 %             | DIN EN ISO 527                                         |
| Tensile strength       | Minimum tensile strength along 21 N/mm <sup>2</sup>  | DIN EN ISO 527                                         |
|                        | Minimum tensile strength across 21 N/mm <sup>2</sup> |                                                        |
| Seawater resistance    | no change                                            | after 100h/35°C   adhered to aluminum, DIN EN ISO 9227 |
| Temperature resistance | Minimum temperature -40 °C                           | Short-term exposure up to 80 °C                        |
|                        | Maximum temperature 60 °C                            |                                                        |

### ADHESIVE PROPERTIES

|                |            |                                             |
|----------------|------------|---------------------------------------------|
| Adhesive power | 18 N/25 mm | after 24 h, on stainless steel   FINAT TM 1 |
|----------------|------------|---------------------------------------------|

### PROCESSING

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

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### Certificates

- [ABG\\_951\\_D5438.pdf](#) (Download)
- [951 B-s1\\_d0 Mineralischer\\_Untergrund Klassifizierung nach DIN EN 13501-1.pdf](#) (Download)
- [ORACAL\\_951\\_-\\_DIN\\_EN\\_45542\\_-\\_DB-ST-AU-21-65966-104-1.1.pdf](#) (Download)
- [951 B-s1\\_d0 Mineralischer\\_Untergrund Klassifizierung nach DIN EN 13501-1 en.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.

### IMPORTANT NOTES

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