

# FoxxDura Outdoor – Durable White Vinyl (PVC) Labels

White gloss PVC film · permanent acrylic adhesive · indoor and outdoor, cable and component marking

## Description and applications

Durable white vinyl labels for rating plates, warning and tracking labels, cable and wire marking and identification of automotive and industrial products. Suitable for medium-life indoor and outdoor applications – expected outdoor durability approx. 7 years (vertical exposure, Central European conditions).

## Technical data

|                                 |                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material type                   | FoxxDura Outdoor · FX-D160W – white gloss PVC for indoor and outdoor use                                                                                                             |
| Facestock                       | White gloss plasticised polymeric vinyl (PVC) film                                                                                                                                   |
| Adhesive                        | AP5 – solvent-based acrylic, permanent, high cohesion; coat weight 24 g/m <sup>2</sup>                                                                                               |
| Liner                           | White supercalendered glassine                                                                                                                                                       |
| Total caliper                   | 160 µm ± 10 %                                                                                                                                                                        |
| Service temperature             | –80 °C to +110 °C                                                                                                                                                                    |
| Minimum application temperature | 0 °C                                                                                                                                                                                 |
| Outdoor durability              | approx. 7 years (vertical, Central European conditions)                                                                                                                              |
| Resistance                      | very high ageing stability; resistant to UV light, heat and chemicals – good resistance to AdBlue, antifreeze, hard wax polish and isopropanol; limited resistance to gasoline       |
| Flammability                    | self-extinguishing to the first measuring mark (FMVSS 302)                                                                                                                           |
| Approvals                       | Material recognised to UL 969 and C-UL CSA C22.2 No. 0.15 (indoor and outdoor use), UL 969A (wire and cable marking); BS 5609 Section 2 (marine immersion) – certificates on request |

## Available labels

| Label sizes | Labels per roll | Core  | Winding                     |
|-------------|-----------------|-------|-----------------------------|
| 100 × 18 mm | 2 000           | 76 mm | outside (inside on request) |

Other sizes, quantities, cores and printed versions on request.

## Printing

- Thermal transfer printing – resin ribbons are recommended for best abrasion and chemical resistance.
- Matching resin ribbons for flat-head and near-edge printers are available from Foxx Products – we will recommend the right ribbon for your printer.
- Screen printing and UV inkjet are also possible; large solid areas are not recommended with UV inkjet.

## Storage and shelf life

- Use within 2 years of the production date.
- Store at 20–25 °C and 40–50 % relative humidity (FINAT conditions), in the original packaging, away from direct sunlight.

## Recommendations

- Apply to clean, dry, grease-free surfaces; minimum application temperature 0 °C.
- Final adhesion builds up within 24 hours.
- Avoid sharp corners in label design (rounded corners recommended).

The data in this sheet are typical values measured on the label material and are given for guidance only; they do not constitute a guarantee. We recommend testing the label under actual application conditions before use.