

# Aluline

FOL 300 — Aluminium-Backed Temporary Road Marking Tape (BASt-tested)

## TECHNICAL FEATURES

| Description   |
|---|
| Yellow aluminium-backed thin-layer marking film (Dünnschichtfolie Typ FOL 300) for temporary lane markings on bituminous wearing courses with fine-structured surfaces. The aluminium carrier layer enables conformable application and clean, residue-free removal. BASt-tested at the Rundlaufprüfanlage (RPA) under Prüfbericht 95 1A 11.26. |

|                        |                            |
|------------------------|----------------------------|
| <b>BASt</b><br>Tested  | <b>Aluminium</b><br>Backed |
| <b>FOL 300</b><br>Type | <b>94%</b><br>Wear-Res.    |

## PRODUCT FEATURES

|                  |  |
|------------------|--|
| Category         | Road Marking Tapes — Temporary Tapes                 |
| Type designation | Dünnschichtfolie Typ FOL 300                         |
| Material type    | Aluminium foil (Aluminiumfolie)                      |
| Construction     | Thin-layer film with conformable aluminium carrier   |
| Colour           | Yellow   |
| Application      | Temporary markings (roadwork zones, lane diversions) |
| Substrate        | Bituminous wearing course, fine-structured surface   |
| Manufacturer     | PB-GmbH  |

## APPROVALS & TESTING

|                      |   |
|----------------------|---|
| BASt Prüfbericht Nr. | 95 1A 11.26                                       |
| Issuing authority    | Bundesanstalt für Straßenwesen (BASt)             |
| Report date          | 12 January 1996                                   |
| Test period          | 1 – 30 December 1995                              |
| Test method          | Rundlaufprüfanlage (RPA) — circular wear-test rig |

## TEST RESULTS — RPA WEAR-CYCLE PERFORMANCE

| Property  | Initial (0 overrollings) | After 0.1 M overrollings |
|---|--------------------------|--------------------------|
| Wear resistance / residual surface (Verschleißfestigkeit) [%]       | 100                      | 94                       |
| Grip (Griffigkeit) [SRT units]                                      | 40                       | 59                       |
| Night-time visibility (Nachtsichtbarkeit) [mcd/m <sup>2</sup> · lx] | 910                      | 301                      |
| Luminance factor (Leuchtdichtefaktor) [-]                           | 0.42                     | 0.59                     |

## RPA TEST CONDITIONS

|   |  |
|---|--|
| Circumferential speed (Umlaufgeschwindigkeit)     | 60 km/h (10 km/h during water-spray phase)   |
| Test tyres (Prüfreifen)                           | Michelin MXV 2 — 4 tyres   |
| Wheel load (Radlast)                              | 3,000 N  |
| Tyre pressure (Reifenluftdruck)                   | 2.2 bar  |
| Camber / steering angle (Radsturz / Anlenkwinkel) | 0° camber · ±1° steering, alternating  |
| Test chamber temperature                          | +5 to +10 °C   |
| Test cycle (Fahrzyklus)                           | 3 h water-spray at 10 km/h, then overrolling at 60 km/h to 0.1 M cycles with hourly direction reversal |

Aluline retains 94% of its surface area after 100,000 wheel passes under accelerated RPA wear-cycle testing, with grip values increasing as the structured yellow surface bears in. Sold per roll; cut to length on application.

