ORAFOL Europe GmbH Reflective Solutions

Engineered to Save Lives™

Juergen Ewald

Global Regulatory Affairs Manager



IPENZ Transportation Group Conference 2016

Auckland 7-9 March



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ORAFOL – over 200 years of history





ORAFOL Today – key figures



Today, ORAFOL Europe GmbH is a leading global manufacturer of Graphic Products, Reflective Solutions and Adhesive Tape Systems, with headquarters and main production facility located in Oranienburg Germany.

Area of ORAFOL Europe GmbH > 185.000m²

Employees > 850 (1750 worldwide)

Turnover 2015 > 1.5+ Billion NZ\$

Export rate > 70%

Export distribution network > 100 countries

Customers in New Zealand and Australia are supported by the office and distribution center is based in Brisbane (Australia).



ORAFOL main divisions

GRAPHIC PRODUCTS:

Printing Materials

Digital Printing Materials

Plotter Materials

Application Tapes





REFLECTIVE SOLUTIONS:

Traffic Signs

Vehicle Conspicuity

Car License Plates

Personal Safety

Advertising





ADHESIVE TAPE SYSTEMS:

Industrial Tapes

Carpet and Cloth Tapes







Traffic Safety

Retroreflective sheeting for traffic signs

- Regulatory signs
- Guidance signs

Sheeting for construction signs and devices

- Materials for flexible signs
- Traffic cones and cone collars
- Sheeting for barricades and others

Equipment for traffic sign manufacturing

- Screen printing ink
- Transparent overlays
- Digital printing
- Functional overlay films









Vehicle Marking

Emergency Service

- Police, Ambulance
- Fire vehicles
- Emergency service

Trucks and trailers

- Rear marker plates
- Conspicuity marking
- Reflective sheeting for vehicle license plates











Personal safety

Personal safety products

- Reflective tapes for
- Workwear
- Safety garments





Maritime Applicationen



Police, Emergency service, Fire department





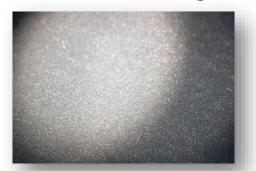


ORAFOL retroreflective sheeting

AS/NZS 1906.1:2007*)

Glass beads type sheeting

ORALITE ® 5710 Engineer Grade (*Premium***)**



Class 2

NEW: class 100





Class 1

NEW: class 300

Microprismatic sheeting

ORALITE ® 5910 High Intensity Prismatic Grade



Class 1W

NEW: class 400

ORALITE ® 6710 Brilliant Grade



Class 1X

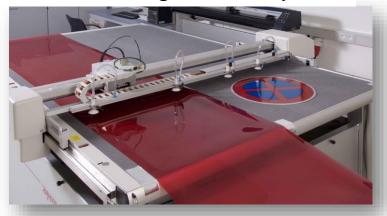
NEW: class 900

*) the standard is under revision

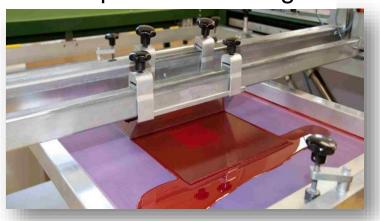


Modern production technologies

Plotter cutting of overlay film



Screen printed traffic signs

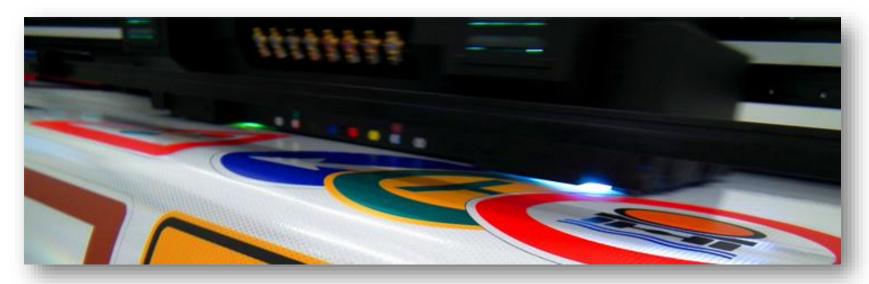


Digital printing of traffic signs

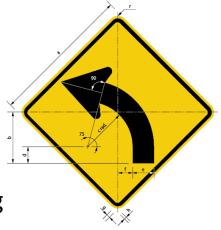




Digital printing of traffic signs



- Featured Machine Type AGFA Anapurna
- Digital printing technology with UV curing inks
- For printing on various material surfaces
- Environmental friendly operation
- No solvent evaporation
- Digital printing for optimised print on demand manufacturing as well as for high volume printing





UV-Inks and UV protection film

UV Ink

- ORALITE UV Digital Ink
- Printing of the standard traffic colours
- Blue, Black, Brown, Green, Red & Yellow



 UV-protection with overlay films and <u>additional functional features</u>



Anti-Graffiti Overlay Film



Anti-Dew Overlay Film





Strengths of ORAFOL

- Wide variety of products and quick adaptation to market needs – and individual customers requests
- Continuous quality control and full product traceability
- Extremely high investment rate in new technologies, manufacturing methods and R&D
- To provide excellent customer service with quick reactions, to fulfil the needs and with short delivery times







Thank you very much for your attention and allowing me to present at IPENZ.



www.orafol.com

