EVONIK
INDUSTRIES

Wind shielding with PLEXIGLAS SOUNDSTOP®

- Light weight
- High transparency
- Can be thermoformed for maximum stiffness / minimum deflection
- Almost any shape is possible to meet optimum geometry for desired aerodynamic properties and wind protection:

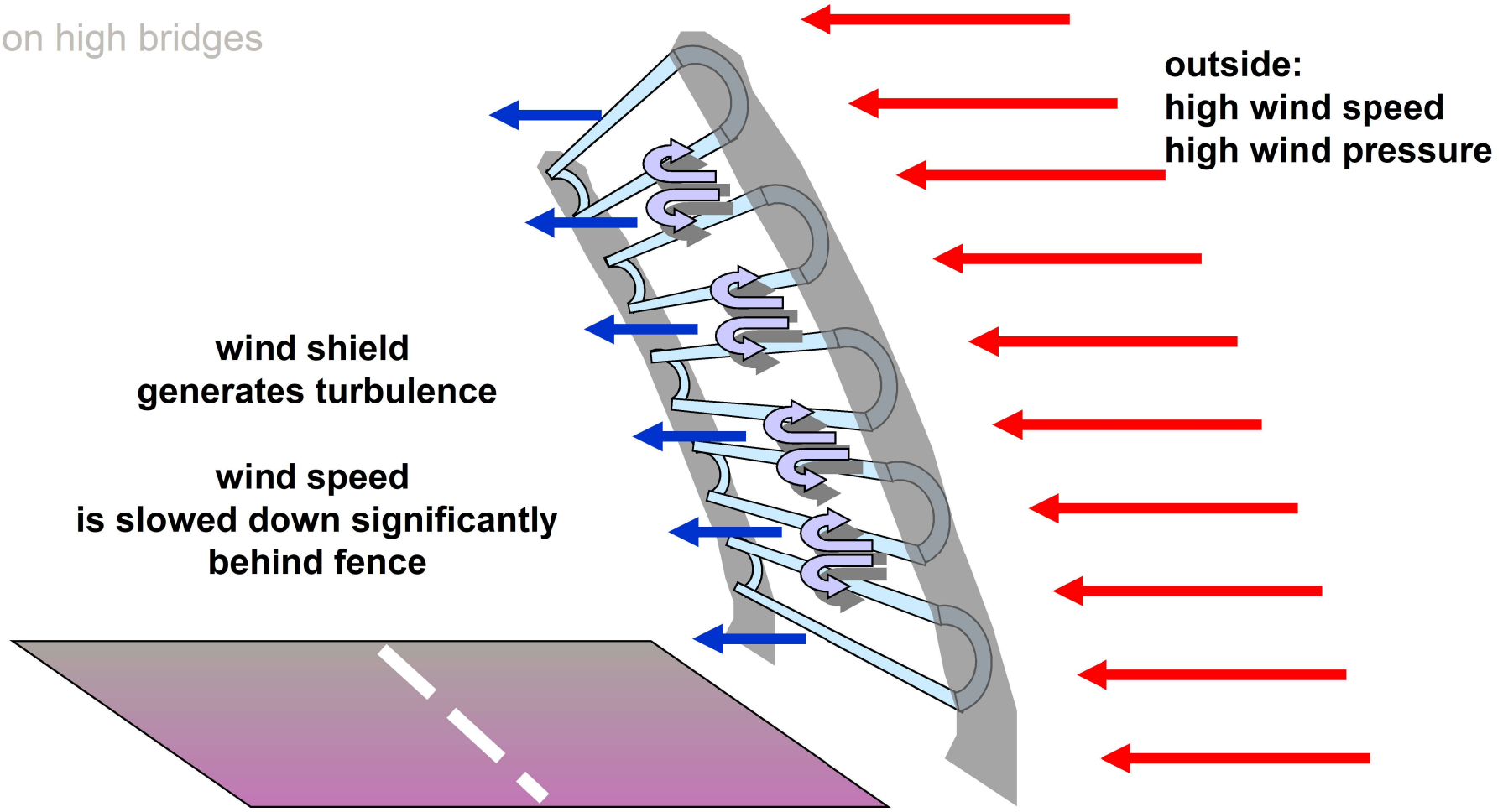
- High safety through integrated polyamide threads (splinter capturing and bird protection)
- Outstanding weather resistance

Wind shielding segment (prototype) with half-pipe shaped PLEXIGLAS SOUNDSTOP® elements

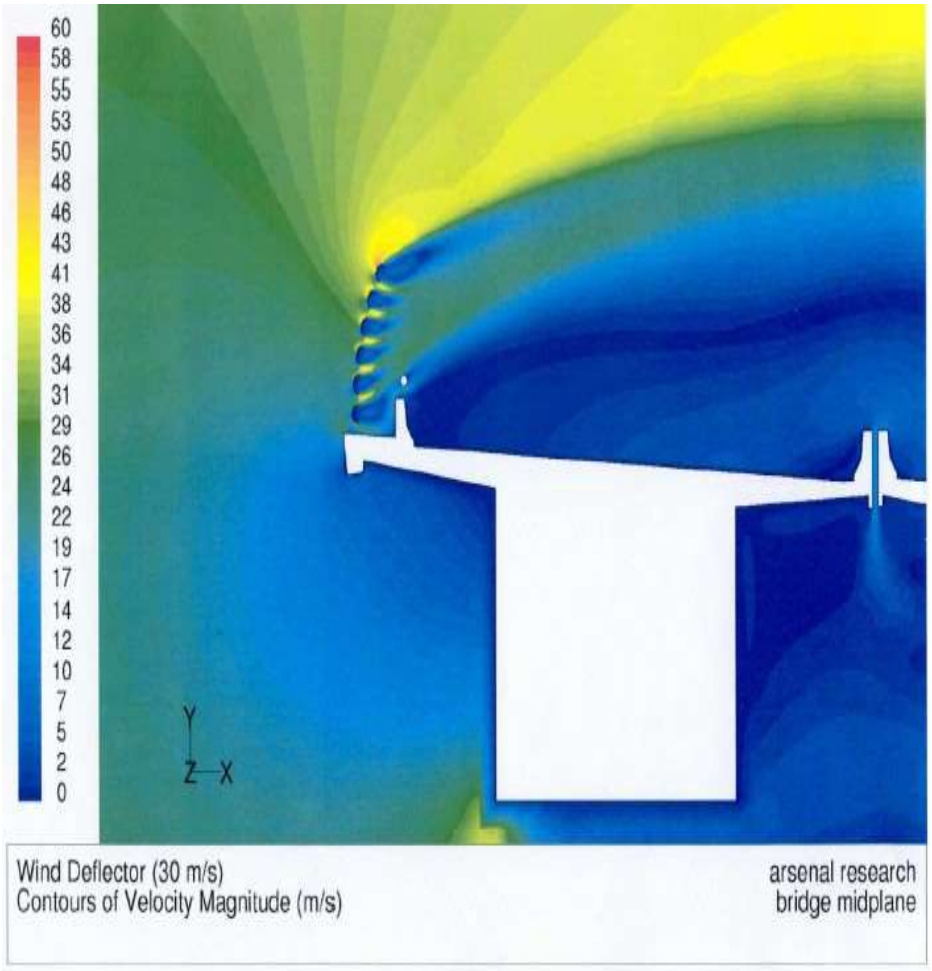
PLEXIGLAS SOUNDSTOP®

in exposed positions

on high bridges



Computer simulation



Le Viaduc de Millau (opened Dec 2004)

Total length	2460 m
Height above ground	270 m
Width	26 m
Total height of pylons	343 m
PLEXIGLAS SOUNDSTOP® elements	7320
construction steel	S355: 30 800 t S460: 15 600 t

Test installation with half-pipe shaped PLEXIGLAS SOUNDSTOP® GS CC elements

7320 PLEXIGLAS SOUNDSTOP® GS CC elements
Post-to post distance 3,50 m
Element width: 50 cm
Thermoforming by Zeiler/ Austria

Impressions during construction

Le Viaduc de Millau: the opening

Installation of PLEXIGLAS SOUNDSTOP® elements

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The Črni Kal bridge; Slovenia

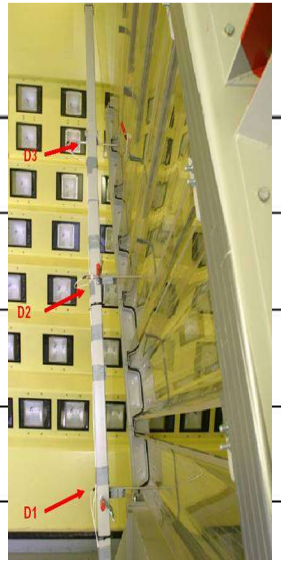
The Črni Kal bridge; Slovenia

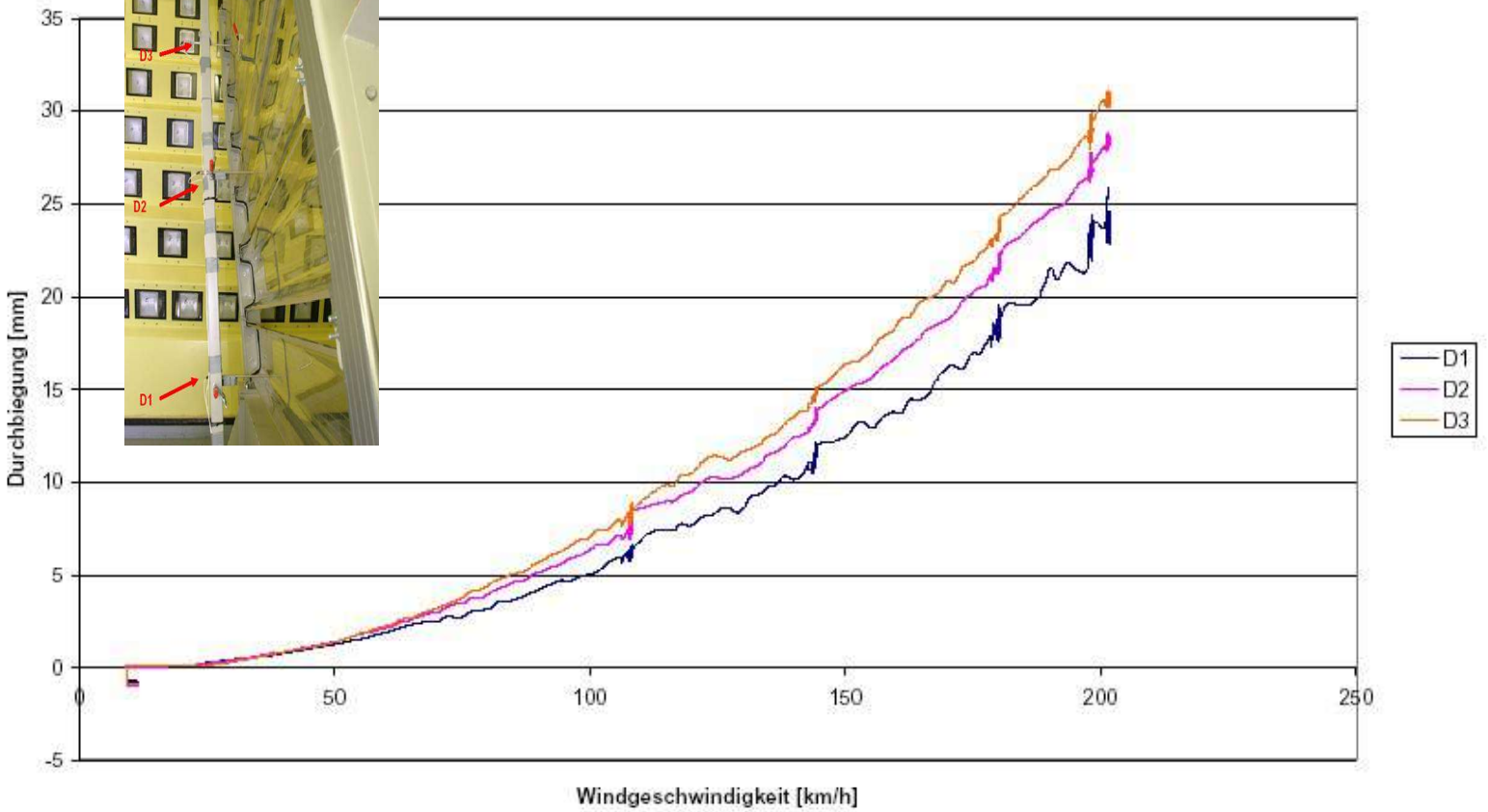
Wind barrier on Črni Kal Bridge

PLEXIGLAS SOUNDSTOP®
wind shield elements of Črni Kal

Wind channel test stand for efficacy

Wind channel test of wind deflection





Wind shielding with PLEXIGLAS SOUNDSTOP®

PLEXIGLAS SOUNDSTOP® combines optimum wind protection with the unique aesthetics and transparency of PLEXIGLAS®.