



WAG S.A.

WORLD ACOUSTIC GROUP

TRANSPARENT REFLECTIVE PANELS



WAG S.A. has over 20 years of experience
in designing and implementing acoustic protection
around the world.

TRANSPARENT REFLECTIVE ACOUSTIC PANEL WNR T PMMA15



Property	Declared value	Reference document
Sound absorption coefficient	NDP	PN-EN 1793-1
Airborne sound insulation coefficient	$DL_R=29\text{dB}$, klasa B3	PN-EN 1793-2
Weighted index of specific acoustic insulation	$RW=31\text{dB}$	PN-EN ISO 717-1
Maximum wind load and static load	$1,45\text{kN/m}^2$ [$L_{\text{max}}=4000\text{ mm}$]	EN 1794-1 Annex A
Dry weight	$15,3\text{kg/m}^2$ dla [$1,0\text{ m} \times 4,0\text{ m}$]	EN 1794-1 Annex B
Stone impact resistance	Complies	EN 1794-1 Annex C
Resistance to brush fire	Class 3	EN 1794-2 Annex A
Environmental protection	100% Recyclable	EN 1794-2 Annex C
Escape route	Complies	EN 1794-2 Annex D
The ability to reflect light	NDP	EN 1794-2 Annex E
Transparency	NPD	EN 1794-2 Annex F
Durability of functional and non-acoustic properties	25 years	EN 14389-2:2004



PROPOSTIES OF PANELS, DEPENDING ON THE TYPE:

- ▶ adjusted to pillars HEA/B/AA IPE/C 120-220 poles
- ▶ appropriate for spacing of pillars from 0.5m to 5m: lightweight bridge profiles 2 m and road and railway profiles max 5m
- ▶ filled with polycarbonate 8 mm to 20mm
- ▶ filled with acrylic from 12mm to 20mm, clear or in any color
- ▶ permissible wind load SLS up to 7.5kN/m²
- ▶ dimensions adapted to the needs of the project
- ▶ reaction to fire class C-s2







RANGE OF ACTIVITIES

- ▶ ACOUSTIC ANALYSIS
- ▶ ACCESSORIES FOR ACOUSTIC SCREENS
- ▶ PRODUCTION OF FILLINGS FOR ABSORBING AND REFLECTING SCREENS
- ▶ ACOUSTIC ROOF SCREENS
- ▶ INDUSTRIAL ACOUSTIC PROTECTION SYSTEM
- ▶ MANUFACTURING SELF-SUPPORTING ARCHES FOR RAILWAYS, AGRICULTURE AND INDUSTRY
- ▶ ENGINEERING DESIGN SELF-SUPPORTING PALISADE FACING SYSTEM
- ▶ CONSTRUCTION OF FOUNDATIONS FOR ACOUSTIC SCREENS USING DRIVEN STEEL PILE TECHNOLOGY
- ▶ FOUNDATION OF SCREEN POLES IN THE CASE OF ROCKY GROUND
- ▶ CONSTRUCTION OF SHEET WALLS REINFORCED WITH CAP
- ▶ IMPLEMENTATION OF ROAD AND RAILWAY SCREENS

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