



GRAMM BARRIER SYSTEMS LTD
ENVIRONMENTAL AND SECURITY BARRIER SPECIALIST

Gramm Concrete Absorptive Noise Barrier Panels

Specification Sheet

Acoustics

Absorption coefficient	0.85
Transmission loss	51 dB
Resonance 63 - 8000 kHz	Not resonant

Fire Properties

Flame spread	0
Fuel contributed	0
Smoke Density	0
Fire Rating	> 4 hours

Weathering

Freeze thaw	Passed 301 cycles
Chemical attack	Passed 50 cycles
Weatherometer	Passed

Panel Dimensions

Weight	100-300 kg/m ²
Length (std)	4000 mm (up to 7500 mm)
Height (std)	500mm, 1000 mm, 1200 mm

Panel Types

Horizontal or vertical fixing
Underpasses or retaining walls
Cladding to new or existing tunnels
Post supported - traditional noise barriers

Durability

Zero maintenance
Longest life - over 30 years in service life
Highly vandal resistant

Installation

1500 m² per week with 5 man crew
Completely prefabricated system



A500 Stoke - 4.0m High