

NOISE CONTROL /

DURISOL PRECAST NOISE BARRIERS



ATTRACTIVE, SOUND-ABSORPTIVE WALLS MADE OF DURABLE, FIELD-PROVEN
DURISOL MATERIAL

Armtec's Durisol precast noise barriers are made of a proprietary material consisting of organic softwood shavings processed to an acoustically engineered size and bonded together under pressure with Portland cement. Durisol is highly sound absorptive, porous, rigid, non-combustible, thermally insulating and freeze-thaw resistant.

Durisol precast noise barriers are panel and post systems. They are engineered in-house and specify the size for posts and the depth and diameter of footings. Standard steel posts or optional concrete posts can be accommodated.

Our standard systems are noise absorptive on both sides. They can also incorporate solid noise reflective or transparent elements, as well as integrated traffic barriers and retaining wall panels.

Visual appeal

Wide variety of architectural textures, patterns and colours

Acoustical Characteristics

Noise Reduction Coefficient of 0.70 or greater

Panel and post design

Lightweight, easy-to-install systems

TYPICAL APPLICATIONS

- Roads and highways
- Bridges
- Acoustic enclosures
- Residential developments

MITCHELL SYSTEM



Posts are spaced 3.65m apart

Wall height

Engineered for heights up to 6m

Versatile

Ideal for slope conditions, directional changes and areas with difficult site access

Flexible

Panels can be modified on-site for short bays

RICHMOND SYSTEM



Posts are spaced 4.56m apart

Wall height

Engineered for heights up to 11m or more

Economical

Fewer panels reduces on-site handling and installation costs

OHIO SYSTEM



Posts are spaced up to 7.3m apart

Wall height

Engineered for heights up to 11m or more

Cost-effective

Longest post spacing of the Durisol systems

Unique

Ideal for straight runs of wall with good site access where noise absorption is not required on the residential side

DURISOL NOISE BARRIER/RETAINING WALL



Combination noise barrier/retaining wall system

Innovative design

Noise barrier and retaining wall panels are stacked on top of each other

Minimal space requirements

Useful in tight spaces

Functional

Well-suited for areas where there are grade differences between the two sides of a barrier