



Name of the Technology: Noise Absorptive barrier for Metro/Railway/Highway/Airport Noise Abatement

Summary: The problem of sound in buildings and residential area through Metro, Railways, Highways and Airports is growing nowadays. Noise barriers are the most effective method of mitigating roadway, railway, metro, airport and industrial noise sources – other than cessation of the source activity or use of source controls. The use of high-performance noise barriers is a growing requirement. CSIR-NPL has created a noise barrier that is easy to install, cost-effective to retrofit to existing facilities and reduces noise substantially. Noise absorbing panels best-meet these complex noise-control needs because it is absorbed rather than reflected into another area.

Applications: Used for roadway, railway, metro, airport and industrial noise

Advantages: Low cost, Lightweight, dry construction, high sound transmission class (STC) (> 35) rating panel, easy to commission, overall safety and energy conserving

Choose the Readiness level of the Technology:

Idea	Concept Definition	Proof of Concept	Prototype	Lab Validation	Technology Development	Technology Demonstration	Technology Integrated	Market Launch

Related Patents: NIL

Year of Introduction: 2019

Broad Area/Category: Building Acoustics, Architectural Acoustics

User Industries: Residents, users of road, metro, railway infrastructures, Industries, Regulators, Manufactures and consumers etc.