

**Project:**  
**Dublin Port Road Tunnel**

**Material:**  
**Quietstone Light**



## A simple, resilient solution to reduce reverberant noise

## Advantages

Quietstone was used at both entrances of the Dublin Port Tunnel to control the noise levels experienced by near by residents. This was our first tunnel project and proved the suitability of our materials.

**Client:** Dublin City Council  
**Material supplied:** 2,500m<sup>2</sup> running 100m in at both ends

- High sound absorption
- Non fibrous
- Sustainable
- Ease of installation
- Weather resistant
- Durable

The pressure changes experienced at the entrance of a tunnel, particularly when used by articulated vehicles can cause a serious noise problem when residential properties are in the near vicinity.

The engineers working on the environmental impact assesments for the project deemed that this issue would be prevelant here, particularly as the start of the tunnel has parallel surfaces, adding to the effect.

Quietstone Light was used at the start of the tunnel as no other sound absorber would be able to withstand the pressure changes while providing high sound absorption, long life-span and non-combustability. Since the project, we have developed Quietstone FMS which provides the same advantages but with increased fire safety.



**Quietstone Light clearly visable on the entrance to the tunnel**

Telephone number +44(0) 1260 253 253  
email address info@quietstone.co.uk  
Website address www.quietstone.co.uk  
Company registration number 07592216



Quietstone UK Ltd  
Quietstone Works, Nab Quarry,  
Pott Shrigley, Macclesfield  
Cheshire, SK10 5SD, UK