

REDUCING RAIN NOISE ON ETFE

HEARING RAIN CAN BE SOOTHING – IN SOME CASES...

...IN OTHER CASES IT COULD BE A DISTRACTION

Rain noise has only been found to be a problem requiring remedy in a very small number of buildings with Texlon® ETFE cladding solutions.

Like other cladding materials, rainfall on the outer surface of ETFE panels generates some noise. Rain noise can be intrusive in spaces where there is a requirement for minimal background noise, such as certain offices, call centres, and libraries with low-level roofs.

EASY RETROFIT SOLUTION

A rain suppressor mesh can be easily retrofitted to any installation. The majority of installations do not need a rain suppressor. Occupants often comment that they like the sound of the rain and enjoy the connection with nature in what is often a semi inside/outside space.

This impression is enhanced by Texlon® system's outstanding performance as an absorber of room generated noise, making the space feel very similar to an external environment.

OVERVIEW OF RAIN SUPPRESSORS

PVDF

Transparency excellent ■ ■ ■
Lifetime 10-20 Years ■ ■ ■
UV resistant ■ ■ ■



Leeds Train Station, United Kingdom © LeedsLive

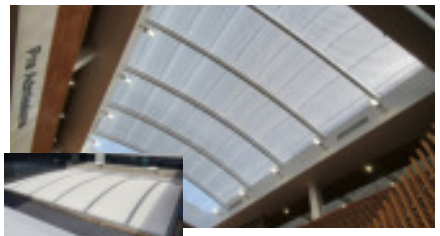
PVDF – FROM ABOVE



Oklahoma City OK - Skylight, USA © Vector Foiltec

MESH 392

Transparency very low ■ □ □
Lifetime 5-10 Years ■ ■ □
UV resistant ■ ■ ■
+ different colours available



Midland Hospitals Entrance Hall, Perth, Australia
© Vector Foiltec



Installed PVDF Mesh to reduce rain noise, Leeds Train Station, © LeedsLive

50% POSSIBLE RAIN NOISE REDUCTION

Tests have demonstrated that the mesh **decreases noise levels by 9.7 dB which equates to a 50% noise reduction** to the human ear.

INSTALLATION

The mesh is held under tension across the external surface of each panel. It traps a buffering layer of incident rain thereby increasing surface mass and consequently reducing both sound generation and transmission.

EASY MAINTENANCE AND CLEANING

We will maintain the rain suppressor as part of the agreed maintenance of the Texlon® ETFE system. If you want to clean rain suppressor systems yourself, please just use water. Of course, we can offer a customized cleaning package. Contact us.