



## RigiSystems Anti-drum

RigiSystems Anti-drum provides a unique solution to reducing the effects of external drumming caused by rain or hail.

Drumming noise can be of particular concern in hospital's, schools or libraries where a quiet environment is required, and with predictions of global warming suggesting that heavy rain storms are on the increase, a cost effective solution to the reduction of drumming noise will become increasingly valued.

# RigiSystems Anti-drum - the quiet roofing system



Anti-drum's unique noise reduction system, which can be used in conjunction with any of RigiSystems' aluminium profiles, works by encapsulating a layer of polyamide membrane between two layers of aluminium which causes direct deadening of reverberation, and entrapment of the noise waves within the layers of dissimilar material. Anti-drum is currently the most cost-effective noise reduction system available, as all other systems require thick and/or high density materials to absorb the sound.

Test data shows that at typical frequencies RigiSystems Anti-drum alone will create a 5 to 6dB reduction from rain and hail noise. This equates to a 50% noise reduction when combined with a RigiSystems Anti-drum acoustic system, which can result in a noise reduction of as much as 50dB through the complete system.

Installation of profiles is not affected in any way by the Anti-drum noise reduction system as the products behave in exactly the same way as standard products. There is therefore no effect on detailing, welding or any other operations, and a weight increase of only 0.24kg/sq.m compared with standard product.

