

# APPLICATION DATA SHEET



## ENVIROGRAF®

AP032A-11-2018

Product Number: 32A

Acoustic Downlighter Covers

## ACOUSTIC AND LOFT COVERS FOR USE OVER RECESSED LIGHT FITTINGS



Envirograf® acoustic covers have been on sale for many years, meeting Document E for impact and airborne sound. Now that the new loft requirements are to have more lagging both in domestic and commercial buildings, Envirograf® covers have been made stronger to take insulation material over the top, or the insulation material can be cut and fit around the cover and this cover gives the same thermal requirements as for Document L. Although there are now these fire rated downlighters on the market these are a fire hazard if the fire is below the roof. They will hold in the ceiling but, even without a fire, the metal canisters, in lots of cases, are reaching 200°C which will ignite paper, cloth, and many insulation materials. In a fire, the heat in the canister is in excess of 500°C.



The Envirograf® covers ventilate, thus dispersing heat, and seal up in a fire, stopping the heat and flames getting up into the roof. Some people say that downlighter covers are not required, especially for domestic situations. In tests carried out by test laboratories on fire, from ignition of flame in a lounge or bedroom, the fire reaches 350°C in just 3 minutes, and in 2 minutes 50 seconds ceiling paper is alight and the flames are penetrating into the light fittings. People have no idea how quickly fire travels and increases in temperature.

Tests carried out by Building Research shows the ferocity of fire in a lounge (see the picture sequence below). Envirograf® acoustic loft covers are made in many sizes to suit all recessed light fittings.

