

# ENVIROGRAF® PRODUCT 53

## UNDER-FLOOR FIRE BARRIER AND ACOUSTIC BARRIER

Acoustic products accepted by **Robust Details**



### DESCRIPTION

The Envirograf® under-floor fire barrier (UF60) is made of reinforced foil-clad intumescent material, internally reinforced with wire mesh. It is supplied 5mm thick x 1800mm long and in standard widths of 400mm, 450mm, and 500mm, to suit joist openings 300mm, 350mm, and 400mm respectively. Other sizes can be made to special order. Acoustic sponge slabs (UFS) 40mm thick x 2½m long can be cut to size to fit over the fire barrier, enabling you to meet the requirements of UK Building Regulations Document E (H in Scotland) for airborne and impact sound acoustic protection and to provide a 'U' value to the ceiling/floor. UF60 can be used under load-bearing or non-load-bearing floors.

### USE

Use under floorboards laid directly over decorative lath-and-plaster ceilings. As the barrier is wider than the gap between the joists, it allows 50mm either side to be bent upwards and fastened to the joists with 30mm clout nails and the provided metal plates. The barrier must also overlap adjacent pieces by 50mm. The barrier is lightweight and easy to fit – just lift three floorboards at 1800mm intervals. The 40mm thick UFS acoustic sponge meets the requirements of Document E of UK Building Regulations with Envirograf® Products 84, 96, and 105.

### PERFORMANCE

The UF60 under-floor barrier was installed in a ceiling/floor without any plasterboard or lath-and-plaster (just the barrier itself) and tested to BS476 Part 21 (1987), achieving 104 minutes integrity, insulation, and load-bearing.

### ORDERING REFERENCES :

PATENTED

**UF60 Under-floor barrier (state size) supplied with metal fixing plates**

**UFS Acoustic sponge slabs for use between joists (state size)**

**See Product 131 for floor impact sound protection strips**

