

Acoustic Window Sets

Manufacturing Acoustic Window sets that are tested and will drop a stated amount of sound over a long period of use is a speciality of Studio Schemes.

We manufacture acoustic windows for our own studio construction & for others to incorporate in their own constructions



Studio Schemes manufacture acoustic windows in a wide range of sizes and with a wide range of acoustic performances.

There is little point in designing an acoustic window that either under or over performs the adjacent wall sections.

Each window is designed to work with the overall construction.

Window sections are constructed as multiple discrete sections that allow for spanning air gaps over multiple wall constructions avoiding structural transference

Windows are supplied with external hardwood architraves

It is normal to angle the studio side panes to allow sound to reflect down and dissipate into the floor.



High isolation window sets feature glazing of different weights and specification and are further enhanced with acoustic barrier foam between sections.

The high isolation view window shown here consists of three layers of glass, all different weights and specification, held by expanding neoprene seals. To drop >70dB

Three discrete box sections with the inner sections lined with an acoustic barrier foam.

This window is suitable for very high isolation between performance areas / voice booths / control rooms etc.

Window sizes are only restricted by commercially available glass sizes, extreme sizes of thick Standip Silence are available up to around 3m x 6m (wt circa 1tonne / panel) and are available by special order from Belgium.

Acoustically Certified Window Units

Studio Schemes have a number of UKAS test laboratory certificates for acoustic window sets

Item A and C as tested and supplied to BBC Media City – Salford keys

- A) Double Glazed window set using 12.8mm Standip Silence and 10.8mm Standip Silence certified to drop RW58 dB**

- B) Triple Glazed window set as above with the addition of a third 12mm central panel certified to drop RW 59dB – The triple section has a better performance in the 50-80 Hz range**

- C) Triple Glazed window section to drop RW67dB using three panes of 20.4mm / 16.8mm / 20.4mm acoustic laminate**

- D) Additionally a set of studio walls to drop RW74dB were tested and held the window © above**

The windows and wall set were recognised as reaching the limits of the laboratories facilities – such is the acoustic drop available from our studio windows, they are outside the normal acoustic drop expected from windows. Copies of the test certificates and data available – graphs shown at the end of this document

Studio Schemes majors on St Gobain Standip Silence in various weights – delivery is on a weekly basis to our Northamptonshire factory (or site direct for very large panes)

Clients should be aware that fire rated glass can be up to 5 weeks delivery from St Gobains factory in Belgium since fire glass is manufactured to required size, thickness, and specification: (it cannot be cut to size in UK)

Specialist Glazing

- a) Fire rated glass for both integrity and thermal insulation 30/60/120min
- b) Toughened safety glass for security areas
- c) Mirror finish “one way view” glass as a special on non fire rated glass
- d) Bullet proof glass – high impact glazing

For special applications please enquire – Studio Schemes deal directly with St Gobain Glass – a world leader in the manufacture of glass. And we have direct contact with their technical specialists

Window Finishes

As standard windows are finished in ash with solid ash architraves, other finishes are available