

One of our current projects

We are currently manufacturing Oak Veneered doors through our factory that are a combination of acoustic rating across the project. To achieve this, we are using multiple types of door core which all have different performance properties for both acoustic and fire ratings. The challenge we face with this is to ensure that the correct seals are used to achieve both ratings.

The doors are a combination of Flamebreak & Moralt Cores faced in Crown Cut American White Oak with matching lippings all round. With the door factory prepared for all the ironmongery and the doors pre-hung in a paint grade primed frame it allows for a speedy installation on-site. Pre-hanging the doors allows us to check the tolerance of the doors to the frames prior to installation therefore reducing the risk of the doors being installed in a non-compliant manner.



The different cores require different thickness lippings with the higher level acoustic doors requiring thicker lippings. As the lippings are concealed, they are not visible and you are unable to see the different lippings.

Offsetting the seals allows for a continuous seal around the lock edge and allows us a space at the door stop to add a batwing seal once the frame is installed in the wall.

With the glazing bead being flush to the face of the door, the vision panels are lined out with Oak before being beaded with a constructed cassette.

The finished Product:

