Case Study 4. Private Customer - Camberwell

On this quiet residential street in Camberwell, SE London, the inter-war houses are solid, with wonderful large windows and glazing.





Background:

As beautiful as the architecture is, with longer and warmer summers, keeping internal temperatures cool is an increasing challenge.

A forward thinking resident, knew a solution would exist to block the sun's heat but wouldn't obscure his views out and not need electricity to operate or be effective.



The problem:

The solar heat gain made Intensely hot rooms at the front and back of the house.

Air conditioning, blinds and awnings were considered, but the cost, structural work and short life span meant they were poor options.

When Koolshade® was considered, it ticked ALL of the boxes.

Results:





- provides 100% shade even at the hottest parts of the day
- removes 100% of the sun's directly transmitted heat before it reaches your window
- is made from recycled metal, the frames and fabric are 100% recyclable at the end of decades of life
- saves over 68% of air conditioning need and costs, the financial benefit can be huge



THE SOLUTION

Using VHB Tape from 3M to secure extruded tracks, over 40 pre-fabricated screens were installed in under 2 hours. And where possible, like on the patio doors, fixed directly to the glass. The frames were colour matched to the patio door frames to ensure a seamless and stylish installation.

Before:

30°C sunny day temperature on ground floor would be 30°C, temperature on top floor would be 33°C.

Large windows (in particular patio doors) radiated a lot of heat inside and you could feel it as you got close.

After:

30°C sunny day temperature on the ground floor was 21°C, temperature on the top floor was 23°C. The large windows now don't radiate heat on sunny days.

