



CASE STUDY
SCHOOL AT TELFORD
CALMER CLASSROOMS

Location : Telford, United Kingdom

Sector : School

Product Featured : Silver 20 Film





CHALLENGE

Learning Disrupted by Light and Heat

At this progressive educational institution in Telford, large classroom windows were originally intended to bring in natural light and visual openness. However, the reality soon revealed unintended consequences-



SOLUTION

Silver 20: Industrial-Strength Performance for Institutional Comfort

To restore visual and thermal balance across key learning spaces



RESULTS AND BENEFITS



Overexposure to direct sunlight during school hours led to significant temperature rise in classrooms



Rejects over 79% of total solar energy, significantly reducing heat load inside classrooms, with a **neutral silver finish** for aesthetics



Heat Rejection- Cooler classrooms and common areas during peak sun hours



Glare Reduction- Noticeable improvement in screen visibility and whiteboard clarity



Intense glare on whiteboards and screens disrupted lessons and impacted student concentration



Cuts glare by over 80%, making blackboards, screens, and presentations easier to view, installed with minimal discomfort and disruption



Energy Efficiency- Lowered air conditioning demand during warmer months



Energy consumption for cooling and lighting increased, particularly during summer months, demanding a solution



Helps **stabilize indoor temperatures**, reducing reliance on cooling systems and promoting student focus and a better learning environment



Enhanced Learning- Students and teachers reported improved comfort and fewer distractions



Quick Non-Intrusive Installation- Project completed during school break with no operational downtime