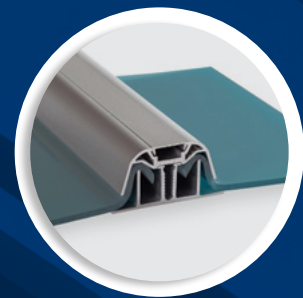




CASE STUDY

THE WARRINER SCHOOL

- ☆ **Application** Atrium roof for art studio
- ⚙️ **System** SUNGLAZE 4/600 white opal polycarbonate system
- 🖥️ **Size** 90 sq.m
- 👤 **Client** The Warriner School
- 👷 **Contractor** Allard Construction
- 📍 **Location** Banbury, Oxfordshire
- 📅 **Year of completion** 2018



The Challenge

The Warriner Secondary School was undertaking refurbishment of all the pitched roofs. The existing atrium had been completed using two glass panels with a central joint detail. The joints need weathering and increase the risk of leaking if they fail. Key challenges faced by Palram's team included:

Leakage The glass atrium roof over the school's art studio was leaking, despite several repairs.

Lighting The existing clear glass also allowed direct sunlight into the classroom, causing intense light in some areas and shadows in others. This is not ideal for an art studio, where even and natural light is required.

Heat The bright sun also increased internal temperatures, causing discomfort to the students and teachers.



The Solution

After a full consultation with the client and roofing contractor, to discuss the above issues and requirements, Palram SUNGLAZE White Opal polycarbonate system was proposed due to the following benefits.



Safe & Easy Installation

The polycarbonate sheet was installed in one piece which eliminated the need for joint details, made the installation of the roof easier, and reduced the chances of future leaking.



Impact & Weather Resistant

The polycarbonate panels are extremely durable, impact resistant, and withstand extreme weather conditions.



Controlled Light Transmission

SUNGLAZE White Opal provides a softer diffused bright light instead of intense and direct sunlight.



Reduces Heat Buildup

White Opal reduces heat gain within the structure on sunny days.



Solutions Tailored to Client Specifications

At Palram, our team works closely with our clients to understand the specific challenges as well as the desired outcome, so we can recommend the best possible solutions. Using our experience, knowledge and wide variety of polycarbonate roofing systems we are able to provide our clients with the solution they need.