



This is the new technology of Sunvia, offering high-performance daylight solutions for a sustainable design.

What is Sunvia Nano?

Sunvia Nano is the new natural lighting system of Sunvia, created by a special technology consisting of polycarbonate panels filled with nanogel and

offering perfect features.

Nanogel is the unshaped form of synthetic silica structured in nano dimensions.

Nano: Refers to tiny particles and structures with a diameter of 20 nanometers.

Approximately 95% of the volume of nanogel is filled with air, which makes nanogel the lightest material of the world.



Why Sunvia Nano?

- Saves energy and reduces cost.
- Provides natural lighting and prevents interior heating with its thermal insulating feature.
- Sunvia Nano always remains bright and white without turning pale.
- Sunvia Nano lasts for a lifespan of a structure.
- Environment-friendly, recyclable.

Technical Features

Sunvia Nano offers solutions which enable you to use the natural light in roof-lighting of a variety of places such as industrial facilities, warehouses, schools, museums, offices, shopping malls and leisure centers.

THERMAL INSULATION

Polycarbonate panels filled with Nanogel ensure perfect thermal insulation.

$U=0,9-1,3 \text{ W/m}^2\text{K}$

LIGHT DISTRIBUTION

Sunvia Nano provides luminous transmittance and homogeneous distribution of light within the building. Preventing glare, it offers superior comfort.

LOW WEIGHT

Sunvia Nano has a low weight which provides an incredible independence in architectural design. When compared to insulated glass with a weight of 30kg/m, Sunvia Nano has a weight of only 3.6 kg/m.

ACOUSTIC INSULATION

Sunvia Nano has a superior acoustic insulation feature.(19-21db)

NONFLAMMABILITY

Sunvia Nano has a special nonflammable structure. It does not cause fume.

UV RESISTANCE

Outer surface of Sunvia Nano is UV protected for resistance against atmospheric factors, chemicals and aging due to UV rays.

