

Sunvia[®]

Daylighting Systems

**Light Every Space
Without Electricity**



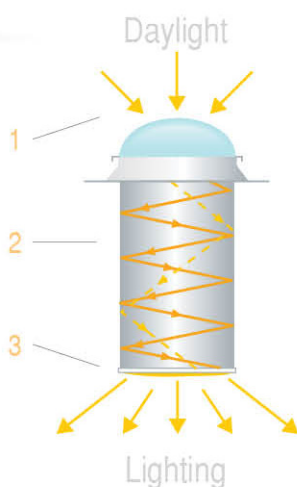


How it Works?

1. Special acrylic dome placed on the roof, passes the daylight on reflective pipe.

2. Daylight which is entering into the pipe system, thanks to the high reflectivity of the pipe, is transmitted like a mirror to the reflecting diffuser.

3. Diffuser distributes the daylight in a homogenous way and provides natural lighting.



Why Sunvia® Tube?

IT PROVIDES ENERGY SAVINGS

IT IS 'GREEN' AND NATURE-FRIENDLY

IT PROVIDES PERFORMANCE INCREASE

SIT ALLOWS YOU TO INCREASE RETAIL SALES

IT INCREASES THE LEARNING PERFORMANCE

IT IMPROVES MORALE AND HEALTH

Contributes to your



LEED

and

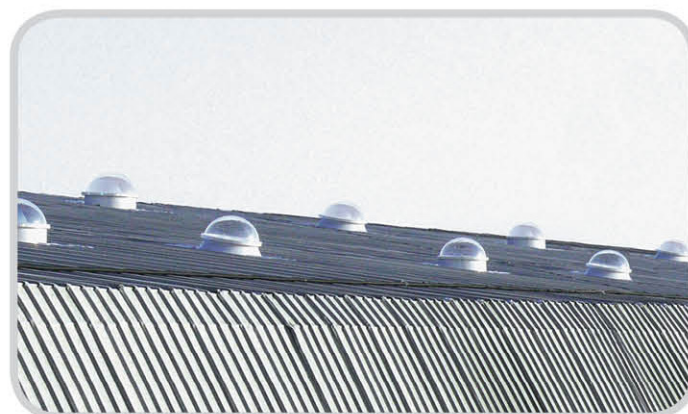
BREEAM®

certification

Technical Specifications

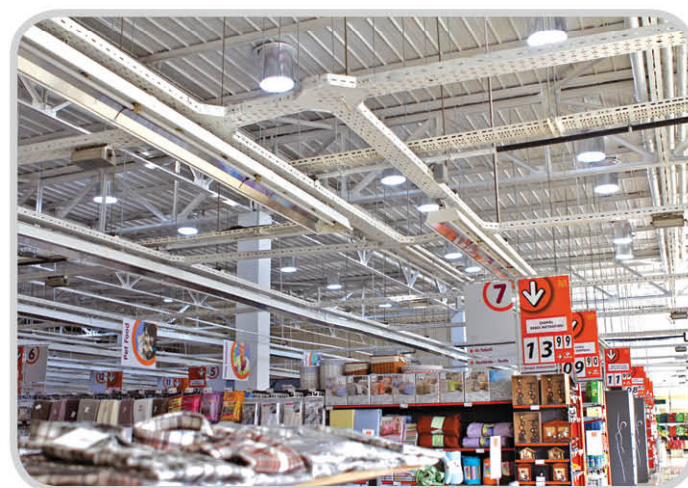
Sunvia® Tube allows you to use internal lighting solutions with natural light for home, office, warehouse, factory, shopping centers and sports halls.

92% efficient light transmission (DIN5036), 12 Kj/m2 impact strenght (DIN 53453) made of special material. It is self-cleaning by rain and the structure is snow repellent. It has a specially produced pipe for daylighting systems which has a high reflection coefficient of over 98% (98,5% DIN 5036-3, 99% ASTM E-1651), UV-resistant, 99.99% silvercoated and is produced from 99.85% purity aluminium.



Model	Diameter (mm)	Area (m2)	Watt Equivalent power
SV-250	250	15-20	150W
SV-350	350	20-25	250W
SV-550	550	30-35	400W
SV-900	900	50-60	750W

Lighting areas and power value depends on the strength of the sunlight available as well as the height of the diffuser from ground and the length of the reflective pipe.





Is the new technology of Sunvia®, offering high performance daylighting solutions for sustainable design.

What is Sunvia® Nano?

Sunvia® Nano is the new natural daylighting system of Sunvia®, polycarbonated panels are filled with nanogel with a special process and offering perfect functions.

Nanogel is unshaped form of nano sized synthetic silica particles.

Nano means small particles no more than 20 nanometer. 95% of the volume is filled with air. This properties make nanogel the lightest solid material.



Why Sunvia® Nano?

- Reduces costs by energy saving
- With heat isolation reduces heat generation while lighting naturally
- Sunvia® Nano keeps its bright white color for long years
- Sunvia® Nano does not require maintenance during lifetime of your building
- Is a green product and produced from recyclable materials

Technical Information

Sunvia® Nano is a daylighting roof top application that can be applied at industrial plants, warehouses, schools, museums, offices, shopping malls.

HEAT RESISTANCE

It provides excellent heat isolation with nanogel filled polycarbonate panels. (U=0,9 – 1,3 W/m²K)

LIGHT DEFISSION

Sunvia® Nano brings light to your locations and homogen distribution of light without spotting effect.

LOW WEIGHT

Low weight of Sunvia® Nano provides excellent freedom for architectural designs. When it is compared with 30 kg/m isolated glass, Sunvia® Nano has only 3,6 kg/m weight.

SOUND RESISTANCE

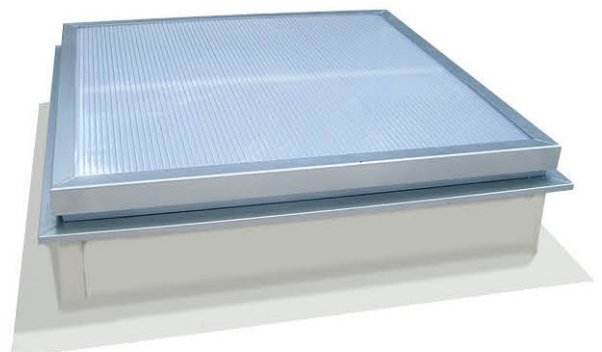
Sunvia® Nano has superior sound resistance. (19 – 21 dB)

NON-FLAMMABLE

Sunvia® Nano is non-flammable and eliminates smoke.

UV-RESISTANCE

It resists UV rays to enter to your locations



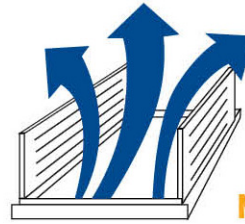


What is Sunvia® Vent?

Sunvia® Vent with natural ventilation increases internal air quality, provides clean, fresh, and healthy workplaces. Sunvia® Vent has multi functions, while ventilating, lighting and firefighting functions.

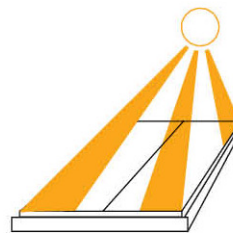
Why Sunvia® Vent?

- Sunvia® Vent is a ventilation unit which brings daylighting to your locations and reducing energy costs.
- Sunvia® Vent has single and double flap types
- Maintenance costs are minimum
- Can be installed at angled roofs
- Applicable to all types of rooftops
- Installation is easy
- Is Waterproof
- Is a green product and produced from recyclable products.
- Resistant to impact
- Sunvia® Vent supports Firefighters



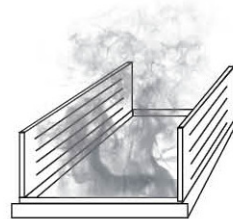
NATURAL VENTILATION

Sunvia® Vent with its clear opening system provides excellent ventilation by exhausting heated and dirty air. Productivity and effectiveness are increased at Sunvia® Vent installed locations where accident risks decrease.



NATURAL LIGHTING

Sunvia® Vent while ventilating provides natural lighting at locations. Reduces energy costs generated by lightings and reduces carbon emission. Sunvia® Vent has low heat transmittance rate so does not create greenhouse effect. Eliminates UV rays.

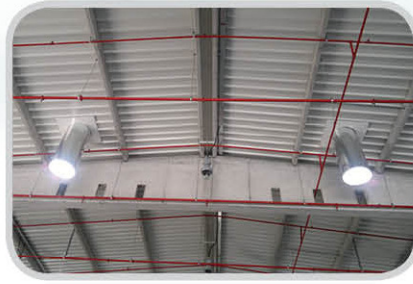


FIREFIGHTING

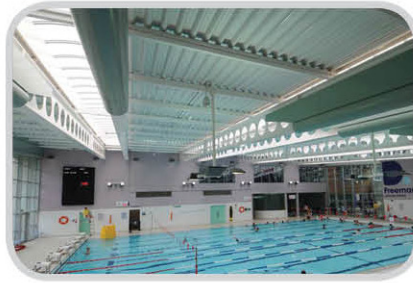
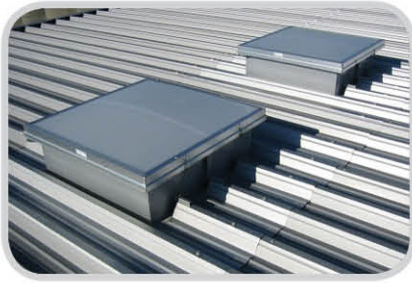
Sunvia® Vent supports firefighter with optional parts (carbondioxide valve, carbondioxide alarm box, smoke dedector, automatic smoke control box...) Prevents sudden enflamings. Exhausts the smoke generated during fire.



Sunvia® TUBE



Sunvia® NANO



Sunvia® VENT



Sunvia® WALL

