



Continuous Rooflights

DECLARATION OF PERFORMANCE (DoP) QUICKGUIDE
HARMONISED STANDARD EN 14963:2006

HOW TO READ IT?

WHAT IS A DoP?

A Declaration of Performance (DoP) is a document issued by the manufacturer which provides relevant information on the performance of a construction product.

WHAT IS CE MARKING?

Rooflights are construction products under the CPR, and the CE marking indicates that the rooflights have been assessed according to the harmonised European standard EN 14963.

Resistance to upward loads*

Ability of rooflights to withstand upward forces or pressures, such as wind suction or internal wind pressure in open buildings.

Resistance to downward loads*

Ability of rooflights to withstand forces or pressures acting in a downward direction, such as snow load or other imposed loads.

Reaction to fire

Behaviour of rooflights when exposed to fire, including their combustibility and production of smoke and flaming droplets.

Resistance to fire*

Ability of rooflights to prevent the passage of fire and heat through the rooflight for a specified period of time.

External fire performance*

Ability of rooflights to prevent the fire from entering the interior in the event of local fire exposure from the outside.

Water tightness

Ability of rooflights to prevent the penetration of water under various conditions, ensuring that the interior of the building remains dry and protected from water damage.

An example of rooflight DoP

Declaration of performance		
12345-ABCDE		UNIQUE ID OF THE DOCUMENT (DoP)
UNIQUE ID OF THE PRODUCT	ROOFLIGHT model XYZ 1a2b3c	INTENDED USE
AVCP SYSTEM	Rooflights with upstand intended to be used for light transmittance for flat and/or inclined roofs	HARMONISED EU STANDARD
NOTIFIED BODY NO.	System 3	IMPACT RESISTANCE
RESISTANCE TO UPWARD LOADS*	EN 14963:2006 Notified Body: 0123	THERMAL TRANSMITTANCE
RESISTANCE TO DOWNWARD LOADS*	UL 1500 SB 1200	DIRECT AIRBORNE SOUND INSULATION
REACTION TO FIRE	DL 750 U=2.0 W/m ² K	SOLAR FACTOR
RESISTANCE TO FIRE*	B-s3,d0 R _w =35	AIR PERMEABILITY
EXTERNAL FIRE PERFORMANCE	EI30 g=0,55	DURABILITY
WATER TIGHTNESS	B _{ROOF} Ap 1	RADIATION PROPERTIES
	Pass ΔA, Cu 0, Ku 0	
	τ _v = 0,66, τ _e = 0,5	
	ROOFLIGHT MANUFACTURER COMPANY Address, City	
	Signature, place and date	

Impact resistance

Ability of rooflights to withstand impacts from objects such as hailstones, debris or accidental impacts without sustaining damage that compromises their integrity or functionality.

Thermal transmittance

Measure of heat transfer through the rooflight material. This parameter, often expressed as a U-value (W/m²·K), indicates how well the rooflight insulates against heat loss.

Solar factor

Refers to the fraction of the solar radiation that is totally transmitted through the rooflight into the building.

Air permeability

Ability of rooflights to resist the passage of air through their joints, seals, and interfaces with the building structure, for maintaining the thermal performance of the building envelope.

Durability

Measure of the variation of total luminous transmittance, yellowness index and mechanical properties after ageing procedure of the rooflight material.

Direct airborne sound insulation*

Ability of rooflights to reduce the transmission of airborne sound for maintaining acoustic comfort.

Radiation properties

Measure of the fractions of solar radiation - visible (τ_v) and total (τ_e) - that are directly transmitted through the rooflight material.

ESSENTIAL CHARACTERISTICS IN THE DESIGN PROCESS

MINIMUM VALUES OF THE CHARACTERISTICS MAY DIFFER DEPENDING ON THE REGION. REMEMBER TO CHECK THE NATIONAL REGULATIONS AND STANDARDS!

AVCP - Assessment and Verification of Constancy of Performance
* - does not apply to rooflights without upstand

CPR - Construction Products Regulation
NPD - No Performance Determined