



PALRAM Applications (1995) Ltd.

Teradion Industrial Park, M.P Misgav 2017400, P.O.B 53, Israel
Tel +972.4.848.6900 | Fax +972.4.848.6901
applications@palram.com | www.palramapplications.com

Year of Affix: 16

Arcadia™ 5000 - A light transmitting self-supporting Twin-wall PC roofing structure with upstand made of aluminum and galvanized steel elements intended to be used as a multi-purpose covering.

Dimensions: Length 502 cm, Width 362 cm, Height 242 cm

Designation (Clause 8): Continuous rooflight with upstand, EN 14963:2006, 1.951 m, ΔA, Cu 1, Ku 1, UL 1000, DL 2500, SB 0

Maximum allowed inclination: 5%

EN 14963:2006

Resistance to upward load: UL 1000

Resistance to downward loads: DL 2500

Reaction to fire: B, s1, d0

For mounting and fixing provisions see EN 16153:2013

For a unique manufacturer's document see Polygal's DoP reference 10626009

Resistance to fire: NPD

External fire performance: F_{ROOF}

Water tightness:

For the rooflight with upstand: Pass

For the sheet material: Pass

Impact resistance:

For the small hard body: Pass

For the large soft body: NPD

Thermal transmittance:

For the rooflight: NPD (not relevant to an open multi purpose cover)

For the sheet material: 3.6 W/(m²·K)

Direct airborne sound insulation: NPD (not relevant to an open multi purpose cover)

Radiation transmittance:

- Light transmittance: Tv - 82%

- Solar direct transmittance: Te - 72.7%

- Solar factor: g value - 0.75

Air permeability:

For the rooflight: NPD (not relevant to an open multi purpose cover)

For the sheet material: Pass

Durability (of the sheet material): ΔA, Cu 1, Ku 1

ITT reports and Factory Production Control records are available upon request at www.palramapplications.com