

DECLARATION OF PERFORMANCE No. 24307221110

Unique identification code of the product-type:

243

Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Macrolux Multiwall 4W 10 mm - 1750

Intended uses:

For internal and external roofs, walls and ceilings

Manufacturer:

**Stabilit Suisse SA
Registered Office & Factory
Via Lische 11/13 - P.O. Box 702
6855 - Stabio - Switzerland**

System AVCP:

System 3

Harmonised standard:

EN 16153:2013+A1:2015

Notified body:

NB 1168 (AFITI-LICOF)

Declared performances:

Essential characteristics	Performance
Visual appearance	Pass
Dimensional tolerances	Pass
External fire performance	F _{ROOF} (NPD)
Reaction to fire	B, s1, d0
Resistance to fire	NPD
Water vapour permeability	3,8 x 10 ⁻⁵ mg/m x h x Pa
Water/air permeability	Pass
Release of dangerous substances	NPD

Shatter properties (safe breakability) as: Small hard body impact resistance	Pass
Large soft body impact resistance (assembly)	NPD
Mechanical resistance (deformation behaviour)	$B_x = 49.7 \text{ Nm}^2/\text{m}$ $B_y = 17.3 \text{ Nm}^2/\text{m}$ $S_y = 2129 \text{ N/m}$ $M_b = 41.3 \text{ Nm/m}$
Thermal transmittance	$U = 2,70 \text{ W/m}^2\text{K}$ (Horizontal position) $U = 2,48 \text{ W/m}^2\text{K}$ (Vertical position)
Light transmittance	$T_v = 69\%$ (Clear) $T_v = 57\%$ (Opal)
Total solar energy transmittance	$g = 68\%$ (Clear) $T_e = 65\%$ (Clear) $g = 62\%$ (Opal) $T_e = 60\%$ (Opal)
Resistance to fixings	Method of fixing (see technical handbook) Metodo di fissaggio (vedi manuale tecnico)
Linear thermal expansion	$65 \times 10^{-6} \text{ K}^{-1}$
Durability, as variation (after ageing) of the light transmission	Clear Δ_A Other colours Δ_D
Durability, as variation (after ageing) of the yellowness index	Clear Δ_A Other colours Δ_D
Durability, as variation (after ageing) of tensile strength	Ku 1
Durability, as variation (after ageing) on flexural modulus	Cu 1
Direct airborne sound insulation	18 (-1 ; -3) dB

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Stabilit Suisse S.A.
Via Lische 11/13
P.O. Box 702 - 6855 Stabio (CH)
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Signed for and on behalf of the manufacturer by:
Matteo Borsani
Product manager

At Stabio (Switzerland) on 10.11.2022

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