

CONTRAFLAM 60-3 CLIMAPLUS

Intended to be used in buildings and construction works

NB: 0336,0497,0679,0757,0809,1136,1154,1174,1234,1322,1694,1717,1750,1751,3021

EN 1279-5:2018 / 2007 / DOP-ID: ZY021939

Essential characteristics	Unit	AVCP systems	Performance
Safety in case of fire			
Resistance to fire		1	EI60
Reaction to fire		3	B-s1, d0
External fire performance		3	NPD
Safety in use			
Bullet resistance		1	NPD
Explosion resistance		1	NPD
Burglar resistance		3	P1A
Pendulum body impact resistance		3	1(C)2/1(B)1
Resistance against sudden temperature changes and temperature differentials	[K]	3	NPD
Wind, snow, permanent and imposed load resistance	[mm]	3	NPD
Protection against noise			
Direct airborne sound insulation	[dB]	3	NPD
Thermal properties			
U-value	[W/m2K]	3	1.0
Radiation properties			
Light transmission	τ_L	3	65%
Light reflection	ρ^L / ρ'^L	3	14%/16%
Solar energy properties			
Solar energy transmission	τ_e	3	31%
Solar energy reflection	ρ_e / ρ'_e	3	33%/19%
Solar factor g-value		3	0.36
Durability		3	NPD
Release of dangerous substances			NONE

NPD: No Performance Declared

The performance of the product identified is in conformity with the declared performance above. This declaration of performance is issued under the sole responsibility of the manufacturer. Sign behalf of the manufacturer by:

Manufacturer

Vetrotech Saint-Gobain International AG
 Industriestrasse 44
 3175 Flamatt
 Switzerland

Name and Position

Reto Cometta, CEO

Place and Date

Flamatt 07.06.2024

Signature



Certificate Number
 0336-CPR-5064D-120

CONTRAFLAM 90-4 (5/4/4/4/5)

Intended to be used in buildings and construction works

NB: 0336,0497,0679,0757,0809,1136,1154,1174,1234,1322,1694,1717,1750,1751,3021

EN 14449 / 2007 / DOP-ID: Y7229544

Essential characteristics	Unit	AVCP systems	Performance
Safety in case of fire			
Resistance to fire		1	EI90
Reaction to fire		3	A2-s1, d0
External fire performance		3	NPD
Safety in use			
Bullet resistance		1	NPD
Explosion resistance		1	NPD
Burglar resistance		3	P1A
Pendulum body impact resistance		3	1(B)1
Resistance against sudden temperature changes and temperature differentials	[K]	3	NPD
Wind, snow, permanent and imposed load resistance	[mm]	3	NPD
Protection against noise			
Direct airborne sound insulation	[dB]	3	NPD
Thermal properties			
U-value	[W/m ² K]	3	0.7
Radiation properties			
Light transmission	τ_L	3	81%
Light reflection	ρ^L / ρ'^L	3	10%/10%
Solar energy properties			
Solar energy transmission	τ_e	3	NPD
Solar energy reflection	ρ_e / ρ'_e	3	8%/8%
Solar factor g-value		3	NPD
Durability		3	NPD
Release of dangerous substances			NONE

NPD: No Performance Declared

The performance of the product identified is in conformity with the declared performance above. This declaration of performance is issued under the sole responsibility of the manufacturer. Sign behalf of the manufacturer by:

Manufacturer

Vetrotech Saint-Gobain International AG
 Industriestrasse 44
 3175 Flamatt
 Switzerland

Name and Position

Reto Cometta, CEO

Place and Date

Flamatt 21.12.2022

Signature



Certificate Number
 0336-CPR-5064C-IL

Declaration of Performance

No: FMV0600Z



Şişecam Blue

6 mm

EN 572-9:2004
Notified Body: 1174


Basic soda lime silicate float glass, intended to be used in buildings and construction works

Characteristics	AVCP System	Performance
Safety in the case of fire:		
Resistance to fire (13501-2)	1	NPD
Reaction to fire (13501-1)	3.4	A1
External fire behaviour (EN 13501-5)	3.4	NPD
Safety in use:		
Bullet resistance (EN 1063)	1	NPD
Explosion resistance (EN 13541)	1	NPD
Burglar resistance (EN 356)	3	NPD
Pendulum body impact resistance (EN 12600)	3	NPD
Resistance against sudden temperature changes and temperature differentials	4	40K
Wind, snow, permanent and imposed load resistance of the glass unit	4	6 mm
Protection against noise:		
Direct airborne sound reduction (EN 12758)	4	31 (-2; -3) dB
Thermal properties:		
U-value (EN 673)	3	5.7 W/(m ² K)
Normal emissivity (EN 12898)	3	0.89
Radiation properties (EN 410):		
Light transmission	3	0.55
Light reflection	3	0.06
Light reflection	3	0.06
Solar energy characteristics (EN 410):		
Solar transmission	3	0.42
Solar reflection	3	0.05
Solar reflection	3	0.05

NPD: No performance determined.

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

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Alper Emniyetli Product and Brand Management Director	10.05.2024 İstanbul	

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Saint-Gobain Building Glass Europe

Tour Saint-Gobain 12 place de l'Iris 92400 Courbevoie France

EN 14449:2005+AC: 2005 - Laminated glass and laminated safety glass intended to be used in buildings and construction works

STADIP PLANITHERM XN F4 44.1
L0105615

NB: 0336, 0497, 0679, 0757, 0809, 1004, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

ESSENTIAL CHARACTERISTICS	AVCP SYSTEMS	PERFORMANCES
For uses relating to safety in case of fire:		
Resistance to fire	1	NPD
Reaction to fire	3,4	NPD
External fire performance	3,4	NPD
For uses as anti-bullet or anti-explosion glazing		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
For uses liable to present "safety-in-use" risks and subject to such regulations		
Burglar resistance	3	NPD
Pendulum body impact resistance	3	2B2
Resistance against sudden temperature changes and temperature differentials (K)	4	40
Wind, snow, permanent and imposed load resistance (N/mm ²)	4	45/45
For uses relating to noise reduction		
Direct airborne sound insulation (dB)	3	34(-1;-3)
For uses relating to energy conservation		
Emissivity τ_g	3	0.03
U-value (W/(m ² .K))	3	NPD
Light transmittance τ_v	3	0.89
Light reflectance ρ_{sp}	3	0.05/0.04
Solar direct transmittance $\tau_{s,d}$	3	0.59
Solar direct reflectance	3	0.17/0.26
g-value	3	0.62
Durability	3	NPD

PLANICLEAR 4 mm / 1 - PVB CLEAR / PLANITHERM XN 4 mm

NPD : No Performance Determined

The performance of the product is in conformity with the declared performances.
This declaration of performance is issued under the sole responsibility of the manufacturer.
Signed for and on behalf of the manufacturer by:

Fabrice Desmons
International Product Strategy Director Building Glass

24/01/2022
Courbevoie - France

