



## Declaration of Performance

### arcon decogold oHT



#### Coated glass, intended to be used in buildings and construction works

**arcon**  
 Flachglas-Veredlung GmbH & Co. KG  
 Werk Feuchtwangen  
 Industriestraße 10  
 D - 91555 Feuchtwangen

**arcon**  
 Flachglas-Veredlung GmbH & Co. KG  
 Werk Bucha  
 Gewerbegebiet "Am Amselberg" Schorba 4  
 D - 07751 Bucha

[www.arcon-glas.de](http://www.arcon-glas.de)  
[info@arcon-glas.de](mailto:info@arcon-glas.de)

#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.						
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	3.4	A1	A1	A1	A1	A1	A1
External fire performance	3.4	NPD	NPD	NPD	NPD	NPD	NPD
<b>Safety in use</b>							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials (K)	4	40	40	40	40	40	40
Wind, snow, permanent and imposed load resistance (mm)	4	4	5	6	8	10	12
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.19	0.19	0.19	0.19	0.19	0.19
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	2	2	2	2	2	2
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	31 / 42	31 / 42	31 / 42	31 / 41	31 / 41	31 / 40
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	2	2	2	2	2	2
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	45 / 36	45 / 34	45 / 33	45 / 31	45 / 29	45 / 27
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	