



Laminated glass and laminated safety glass EN 14449



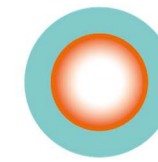
DECLARATION OF PERFORMANCE (CPR 305/2011)

DoP-14449-0-2021-01

- 1. Product-type:** Multisafe® - Multiphon® - Multisafe® Extrastrong - Multisafe® xx.x SSN 1.1 - Multisafe® xx.x SSN 1.0 - Multisafe® xx.x SSN 1.0 PLUS - Multiphon® xx.x SSN 1.1 - Multiphon® xx.x SSN 1.0 - Multiphon® xx.x SSN 1.0 PLUS
- 2. Intended use:** Laminated glass and laminated safety glass in buildings and construction works
- 3. Manufacturer:** Scheuten Base Glass BV
Magelhaesweg 10
NL-5928 LN Venlo
- 4. Authorized representative:** -
- 5. System of AVCP:** System 3
- 6. Harmonized standard:** EN 14449:2005+AC:2005
Notified Bodies: NB-Nr.: 0063, 0074, 0336, 0432, 0757, 1166, 1174, 1231, 1234, 1322, 1343, 1488, 1694, 1717, 1750, 1812, 2264, 2509
- 7. Declared performances:**



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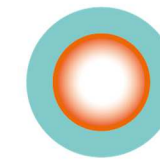


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Multisafe®									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1	33.2	33.4	44.1	44.2	44.4	44.6
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	P4A	NPD	P2A	P4A	P5A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation Rw (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m²K]	3	5,6	5,6	5,5	5,6	5,5	5,4	5,3
4.3.2.11	Normal emissivity ε _n of coating side	3	0,89	0,89	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	T _v = 90 ρ _v = 8 ρ' _v = 8	T _v = 90 ρ _v = 8 ρ' _v = 8	T _v = 90 ρ _v = 8 ρ' _v = 8	T _v = 89 ρ _v = 8 ρ' _v = 8	T _v = 89 ρ _v = 8 ρ' _v = 8	T _v = 89 ρ _v = 8 ρ' _v = 8	T _v = 89 ρ _v = 8 ρ' _v = 8
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	g = 83 T _e = 80 ρ _e = 7 ρ' _e = 7	g = 82 T _e = 78 ρ _e = 7 ρ' _e = 7	g = 80 T _e = 76 ρ _e = 7 ρ' _e = 7	g = 82 T _e = 79 ρ _e = 7 ρ' _e = 7	g = 81 T _e = 77 ρ _e = 7 ρ' _e = 7	g = 78 T _e = 74 ρ _e = 7 ρ' _e = 7	g = 77 T _e = 72 ρ _e = 7 ρ' _e = 7
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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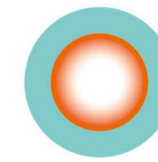


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EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	55.1	55.2	55.4	55.6	55.8	66.1	66.2
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P2A	P4A	P5A	P6B	NPD	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	36 (-1;-2)	36 (-1;-2)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,5	5,4	5,3	5,2	5,1	5,4	5,4
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 81$ $\tau_e = 77$ $\rho_e = 7$ $\rho'_e = 7$	$g = 79$ $\tau_e = 75$ $\rho_e = 7$ $\rho'_e = 7$	$g = 78$ $\tau_e = 73$ $\rho_e = 7$ $\rho'_e = 7$	$g = 76$ $\tau_e = 71$ $\rho_e = 7$ $\rho'_e = 7$	$g = 75$ $\tau_e = 69$ $\rho_e = 7$ $\rho'_e = 7$	$g = 80$ $\tau_e = 76$ $\rho_e = 7$ $\rho'_e = 7$	$g = 78$ $\tau_e = 74$ $\rho_e = 7$ $\rho'_e = 7$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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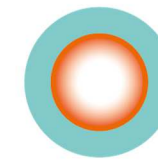


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EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.4	66.6	66.8	88.1	88.2	88.4	1010.2
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P4A	P5A	P6B	NPD	P2A	P4A	P2A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	36 (-1;-2)	36 (-1;-2)	36 (-1;-2)	NPD	NPD	NPD	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,3	5,2	5,1	5,3	5,3	5,2	5,2
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 86$ $\rho_v = 8$ $\rho'_v = 8$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 77$ $\tau_e = 72$ $\rho_e = 7$ $\rho'_e = 7$	$g = 75$ $\tau_e = 70$ $\rho_e = 7$ $\rho'_e = 7$	$g = 74$ $\tau_e = 68$ $\rho_e = 7$ $\rho'_e = 7$	$g = 77$ $\tau_e = 73$ $\rho_e = 7$ $\rho'_e = 7$	$g = 76$ $\tau_e = 71$ $\rho_e = 7$ $\rho'_e = 7$	$g = 75$ $\tau_e = 69$ $\rho_e = 7$ $\rho'_e = 7$	$g = 74$ $\tau_e = 68$ $\rho_e = 7$ $\rho'_e = 7$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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Multisafe® (translucent white)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 M	33.2 M	44.1 M	44.2 M	44.4 M	55.1 M	55.2 M
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	NPD	P2A	P4A	NPD	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	2(B)2	1(B)1	1(B)1	2(B)2	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)	34 (-1;-3)	34 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,6	5,6	5,6	5,5	5,4	5,5	5,4
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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Multisafe® (translucent white)								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	55.4 M	66.1 M	66.2 M	66.4 M	88.1 M	88.2 M
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P4A	NPD	P2A	P4A	NPD	P2A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	2(B)2	1(B)1	1(B)1	2(B)2	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	34 (-1;-3)	36 (-1;-2)	36 (-1;-2)	36 (-1;-2)	NPD	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,3	5,4	5,4	5,3	5,3	5,3
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = \text{NPD}$ $\rho_v = \text{NPD}$ $\rho'_v = \text{NPD}$	$\tau_v = \text{NPD}$ $\rho_v = \text{NPD}$ $\rho'_v = \text{NPD}$	$\tau_v = \text{NPD}$ $\rho_v = \text{NPD}$ $\rho'_v = \text{NPD}$	$\tau_v = \text{NPD}$ $\rho_v = \text{NPD}$ $\rho'_v = \text{NPD}$	$\tau_v = \text{NPD}$ $\rho_v = \text{NPD}$ $\rho'_v = \text{NPD}$	$\tau_v = \text{NPD}$ $\rho_v = \text{NPD}$ $\rho'_v = \text{NPD}$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = \text{NPD}$ $\tau_e = \text{NPD}$ $\rho_e = \text{NPD}$ $\rho'_e = \text{NPD}$	$g = \text{NPD}$ $\tau_e = \text{NPD}$ $\rho_e = \text{NPD}$ $\rho'_e = \text{NPD}$	$g = \text{NPD}$ $\tau_e = \text{NPD}$ $\rho_e = \text{NPD}$ $\rho'_e = \text{NPD}$	$g = \text{NPD}$ $\tau_e = \text{NPD}$ $\rho_e = \text{NPD}$ $\rho'_e = \text{NPD}$	$g = \text{NPD}$ $\tau_e = \text{NPD}$ $\rho_e = \text{NPD}$ $\rho'_e = \text{NPD}$	$g = \text{NPD}$ $\tau_e = \text{NPD}$ $\rho_e = \text{NPD}$ $\rho'_e = \text{NPD}$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



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Multiphon®								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 SI	33.2 SI	44.1 SI	44.2 SI	55.1 SI	55.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P1A	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	35 (-1;-4)	36 (-0;-3)	37 (-0;-2)	37 (-0;-2)	39 (-1;-3)	39 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,6	5,6	5,5	5,5	5,5	5,4
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 90$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 90$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 83$ $\tau_e = 80$ $\rho_e = 7$ $\rho'_e = 7$	$g = 82$ $\tau_e = 78$ $\rho_e = 7$ $\rho'_e = 7$	$g = 81$ $\tau_e = 78$ $\rho_e = 7$ $\rho'_e = 7$	$g = 81$ $\tau_e = 77$ $\rho_e = 7$ $\rho'_e = 7$	$g = 80$ $\tau_e = 76$ $\rho_e = 7$ $\rho'_e = 7$	$g = 79$ $\tau_e = 75$ $\rho_e = 7$ $\rho'_e = 7$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



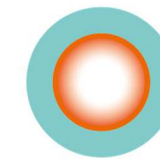
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Multiphon®						
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.1 SI	66.2 SI	88.1 SI	88.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	40 (-1;-3)	40 (-1;-3)	41 (-1;-3)	41 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,4	5,4	5,3	5,3
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 79$ $\tau_e = 75$ $\rho_e = 7$ $\rho'_e = 7$	$g = 78$ $\tau_e = 74$ $\rho_e = 7$ $\rho'_e = 7$	$g = 77$ $\tau_e = 72$ $\rho_e = 7$ $\rho'_e = 7$	$g = 76$ $\tau_e = 71$ $\rho_e = 7$ $\rho'_e = 7$
	Durability	3	NPD	NPD	NPD	NPD



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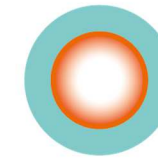


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Multisafe® Extrastrong							
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	44.2 ST	55.2 ST	66.2 ST	88.2 ST	1010.2 ST
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	NPD	NPD	NPD	NPD
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	NPD	NPD	NPD	NPD	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	5,5	5,4	5,4	5,3	5,2
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,89	0,89	0,89	0,89	0,89
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 89$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 88$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 87$ $\rho_v = 8$ $\rho'_v = 8$	$\tau_v = 86$ $\rho_v = 8$ $\rho'_v = 8$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 81$ $\tau_e = 77$ $\rho_e = 7$ $\rho'_e = 7$	$g = 79$ $\tau_e = 75$ $\rho_e = 7$ $\rho'_e = 7$	$g = 78$ $\tau_e = 74$ $\rho_e = 7$ $\rho'_e = 7$	$g = 76$ $\tau_e = 71$ $\rho_e = 7$ $\rho'_e = 7$	$g = 74$ $\tau_e = 68$ $\rho_e = 7$ $\rho'_e = 7$
	Durability	3	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449



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Multisafe® xx.x SSN 1.1 (Scheuten Super Neutral 1.1)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1	33.2	33.4	44.1	44.2	44.4	44.6
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	P4A	NPD	P2A	P4A	P5A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,03	0,03	0,03	0,03	0,03	0,03	0,03
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$T_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$T_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$T_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$T_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$T_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$T_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$T_v = 88$ $\rho_v = 4$ $\rho'_v = 5$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 64$ $T_e = 61$ $\rho_e = 26$ $\rho'_e = 19$	$g = 64$ $T_e = 60$ $\rho_e = 26$ $\rho'_e = 17$	$g = 63$ $T_e = 59$ $\rho_e = 26$ $\rho'_e = 16$	$g = 63$ $T_e = 60$ $\rho_e = 26$ $\rho'_e = 18$	$g = 63$ $T_e = 59$ $\rho_e = 26$ $\rho'_e = 16$	$g = 62$ $T_e = 58$ $\rho_e = 26$ $\rho'_e = 15$	$g = 61$ $T_e = 57$ $\rho_e = 25$ $\rho'_e = 14$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449



Multisafe® xx.x SSN 1.1 (Scheuten Super Neutral 1.1)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	55.1	55.2	55.4	55.6	55.8	66.1	66.2
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P2A	P4A	P5A	P6B	NPD	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	36 (-1;-2)	36 (-1;-2)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,03	0,03	0,03	0,03	0,03	0,03	0,03
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 63$ $\tau_e = 59$ $\rho_e = 26$ $\rho'_e = 17$	$g = 62$ $\tau_e = 58$ $\rho_e = 26$ $\rho'_e = 16$	$g = 61$ $\tau_e = 57$ $\rho_e = 25$ $\rho'_e = 14$	$g = 61$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 13$	$g = 60$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 12$	$g = 62$ $\tau_e = 58$ $\rho_e = 25$ $\rho'_e = 16$	$g = 61$ $\tau_e = 57$ $\rho_e = 25$ $\rho'_e = 15$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



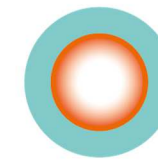
Laminated glass and laminated safety glass EN 14449



Multisafe® xx.x SSN 1.1 (Scheuten Super Neutral 1.1)								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.4	66.6	66.8	88.1	88.2	88.4
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P4A	P5A	P6B	NPD	P2A	P4A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	36 (-1;-2)	36 (-1;-2)	36 (-1;-2)	NPD	NPD	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,03	0,03	0,03	0,03	0,03	0,03
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 86$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 86$ $\rho_v = 4$ $\rho'_v = 5$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 61$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 14$	$g = 60$ $\tau_e = 55$ $\rho_e = 25$ $\rho'_e = 13$	$g = 59$ $\tau_e = 55$ $\rho_e = 25$ $\rho'_e = 12$	$g = 61$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 15$	$g = 60$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 14$	$g = 59$ $\tau_e = 55$ $\rho_e = 25$ $\rho'_e = 12$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449

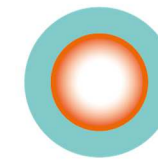


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Multisafe® xx.x SSN 1.1 (Scheuten Super Neutral 1.1) (translucent white)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 M	33.2 M	44.1 M	44.2 M	55.2 M	66.2 M	88.2 M
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	NPD	P2A	P2A	P2A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w ($C;C_{tr}$) [dB]	3	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	34 (-1;-3)	36 (-1;-2)	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,03	0,03	0,03	0,03	0,03	0,03	0,03
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449

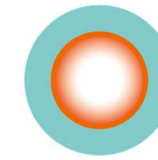


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Multisafe® xx.x SSN 1.0 (Scheuten Super Neutral 1.0)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1	33.2	33.4	44.1	44.2	44.4	44.6
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	P4A	NPD	P2A	P4A	P5A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation Rw (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ε _n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	τ _v = 76 ρ _v = 15 ρ' _v = 17	τ _v = 76 ρ _v = 15 ρ' _v = 17	τ _v = 75 ρ _v = 15 ρ' _v = 17	τ _v = 75 ρ _v = 15 ρ' _v = 17	τ _v = 75 ρ _v = 15 ρ' _v = 17	τ _v = 75 ρ _v = 15 ρ' _v = 17	τ _v = 75 ρ _v = 15 ρ' _v = 17
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	g = 49 τ _e = 46 ρ _e = 42 ρ' _e = 33	g = 48 τ _e = 45 ρ _e = 42 ρ' _e = 31	g = 48 τ _e = 44 ρ _e = 42 ρ' _e = 29	g = 48 τ _e = 45 ρ _e = 42 ρ' _e = 31	g = 48 τ _e = 44 ρ _e = 42 ρ' _e = 30	g = 47 τ _e = 44 ρ _e = 42 ρ' _e = 28	g = 47 τ _e = 43 ρ _e = 42 ρ' _e = 26
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449

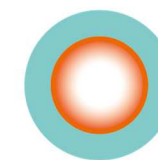


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Multisafe® xx.x SSN 1.0 (Scheuten Super Neutral 1.0)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	55.1	55.2	55.4	55.6	55.8	66.1	66.2
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P2A	P4A	P5A	P6B	NPD	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	36 (-1;-2)	36 (-1;-2)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 75$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 75$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 48$ $\tau_e = 44$ $\rho_e = 42$ $\rho'_e = 30$	$g = 47$ $\tau_e = 44$ $\rho_e = 42$ $\rho'_e = 28$	$g = 47$ $\tau_e = 43$ $\rho_e = 42$ $\rho'_e = 26$	$g = 46$ $\tau_e = 43$ $\rho_e = 42$ $\rho'_e = 25$	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 24$	$g = 47$ $\tau_e = 44$ $\rho_e = 42$ $\rho'_e = 28$	$g = 47$ $\tau_e = 43$ $\rho_e = 42$ $\rho'_e = 27$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449

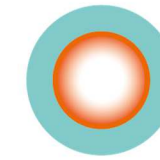


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Multisafe® xx.x SSN 1.0 (Scheuten Super Neutral 1.0)								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.4	66.6	66.8	88.1	88.2	88.4
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P4A	P5A	P6B	NPD	P2A	P4A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	36 (-1;-2)	36 (-1;-2)	36 (-1;-2)	NPD	NPD	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 73$ $\rho_v = 15$ $\rho'_v = 16$	$\tau_v = 73$ $\rho_v = 15$ $\rho'_v = 16$	$\tau_v = 73$ $\rho_v = 15$ $\rho'_v = 16$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 25$	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 24$	$g = 45$ $\tau_e = 41$ $\rho_e = 41$ $\rho'_e = 23$	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 26$	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 25$	$g = 45$ $\tau_e = 41$ $\rho_e = 41$ $\rho'_e = 23$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



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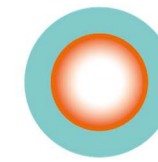


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Multisafe® xx.x SSN 1.0 (Scheuten Super Neutral 1.0) (translucent white)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 M	33.2 M	44.1 M	44.2 M	55.2 M	66.2 M	88.2 M
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	NPD	P2A	P2A	P2A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	34 (-1;-3)	36 (-1;-2)	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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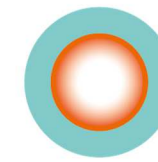


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Multisafe® xx.x SSN 1.0 PLUS (Scheuten Super Neutral 1.0 PLUS)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1	33.2	33.4	44.1	44.2	44.4	44.6
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	P4A	NPD	P2A	P4A	P5A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation Rw (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)	33 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ε _n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	T _v = 83 ρ _v = 9 ρ' _v = 11	T _v = 83 ρ _v = 9 ρ' _v = 11	T _v = 83 ρ _v = 9 ρ' _v = 11	T _v = 83 ρ _v = 9 ρ' _v = 11	T _v = 83 ρ _v = 9 ρ' _v = 11	T _v = 82 ρ _v = 9 ρ' _v = 11	T _v = 82 ρ _v = 9 ρ' _v = 10
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	g = 54 T _e = 51 ρ _e = 37 ρ' _e = 28	g = 53 T _e = 50 ρ _e = 37 ρ' _e = 27	g = 53 T _e = 49 ρ _e = 37 ρ' _e = 25	g = 53 T _e = 50 ρ _e = 37 ρ' _e = 27	g = 53 T _e = 50 ρ _e = 37 ρ' _e = 25	g = 52 T _e = 49 ρ _e = 37 ρ' _e = 23	g = 52 T _e = 48 ρ _e = 37 ρ' _e = 22
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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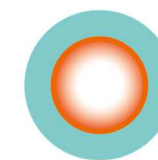


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Multisafe® xx.x SSN 1.0 PLUS (Scheuten Super Neutral 1.0 PLUS)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	55.1	55.2	55.4	55.6	55.8	66.1	66.2
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P2A	P4A	P5A	P6B	NPD	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	36 (-1;-2)	36 (-1;-2)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 53$ $\tau_e = 49$ $\rho_e = 37$ $\rho'_e = 26$	$g = 52$ $\tau_e = 49$ $\rho_e = 37$ $\rho'_e = 24$	$g = 52$ $\tau_e = 48$ $\rho_e = 37$ $\rho'_e = 22$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 21$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 20$	$g = 52$ $\tau_e = 49$ $\rho_e = 37$ $\rho'_e = 24$	$g = 52$ $\tau_e = 48$ $\rho_e = 37$ $\rho'_e = 23$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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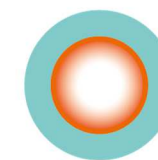


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Multisafe® xx.x SSN 1.0 PLUS (Scheuten Super Neutral 1.0 PLUS)								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.4	66.6	66.8	88.1	88.2	88.4
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P4A	P5A	P6B	NPD	P2A	P4A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	2(B)2	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	36 (-1;-2)	36 (-1;-2)	36 (-1;-2)	NPD	NPD	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 80$ $\rho_v = 9$ $\rho'_v = 10$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 21$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 20$	$g = 50$ $\tau_e = 46$ $\rho_e = 37$ $\rho'_e = 19$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 22$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 21$	$g = 50$ $\tau_e = 46$ $\rho_e = 37$ $\rho'_e = 19$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



Laminated glass and laminated safety glass EN 14449



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Multisafe® xx.x SSN 1.0 PLUS (Scheuten Super Neutral 1.0 PLUS) (translucent white)									
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 M	33.2 M	44.1 M	44.2 M	55.2 M	66.2 M	88.2 M
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	NPD	P1A	NPD	P2A	P2A	P2A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	32 (-1;-3)	32 (-1;-3)	33 (-1;-3)	33 (-1;-3)	34 (-1;-3)	36 (-1;-2)	NPD
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD	$\tau_v =$ NPD $\rho_v =$ NPD $\rho'_v =$ NPD
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD	$g =$ NPD $\tau_e =$ NPD $\rho_e =$ NPD $\rho'_e =$ NPD
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD	NPD



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Multiphon® xx.x SSN 1.1 (Scheuten Super Neutral 1.1)								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 SI	33.2 SI	44.1 SI	44.2 SI	55.1 SI	55.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P1A	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	35 (-1;-4)	36 (-0;-3)	37 (-0;-2)	37 (-0;-2)	39 (-1;-3)	39 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,03	0,03	0,03	0,03	0,03	0,03
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 89$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 64$ $\tau_e = 61$ $\rho_e = 26$ $\rho'_e = 18$	$g = 64$ $\tau_e = 60$ $\rho_e = 26$ $\rho'_e = 17$	$g = 63$ $\tau_e = 60$ $\rho_e = 26$ $\rho'_e = 17$	$g = 63$ $\tau_e = 59$ $\rho_e = 26$ $\rho'_e = 16$	$g = 62$ $\tau_e = 59$ $\rho_e = 26$ $\rho'_e = 16$	$g = 62$ $\tau_e = 58$ $\rho_e = 26$ $\rho'_e = 16$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



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Multiphon® xx.x SSN 1.1 (Scheuten Super Neutral 1.1)						
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.1 SI	66.2 SI	88.1 SI	88.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	40 (-1;-3)	40 (-1;-3)	41 (-1;-3)	41 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,03	0,03	0,03	0,03
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 88$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 87$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 86$ $\rho_v = 4$ $\rho'_v = 5$	$\tau_v = 86$ $\rho_v = 4$ $\rho'_v = 5$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 62$ $\tau_e = 58$ $\rho_e = 25$ $\rho'_e = 16$	$g = 61$ $\tau_e = 57$ $\rho_e = 25$ $\rho'_e = 15$	$g = 60$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 14$	$g = 60$ $\tau_e = 56$ $\rho_e = 25$ $\rho'_e = 14$
	Durability	3	NPD	NPD	NPD	NPD



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Multiphon® xx.x SSN 1.0 (Scheuten Super Neutral 1.0)								
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 SI	33.2 SI	44.1 SI	44.2 SI	55.1 SI	55.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P1A	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	35 (-1;-4)	36 (-0;-3)	37 (-0;-2)	37 (-0;-2)	39 (-1;-3)	39 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 76$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 76$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 75$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 75$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 75$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 75$ $\rho_v = 15$ $\rho'_v = 17$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 48$ $\tau_e = 45$ $\rho_e = 42$ $\rho'_e = 32$	$g = 48$ $\tau_e = 45$ $\rho_e = 42$ $\rho'_e = 31$	$g = 48$ $\tau_e = 45$ $\rho_e = 42$ $\rho'_e = 31$	$g = 48$ $\tau_e = 44$ $\rho_e = 42$ $\rho'_e = 30$	$g = 47$ $\tau_e = 44$ $\rho_e = 42$ $\rho'_e = 29$	$g = 47$ $\tau_e = 44$ $\rho_e = 42$ $\rho'_e = 28$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



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Multiphon® xx.x SSN 1.0 (Scheuten Super Neutral 1.0)						
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.1 SI	66.2 SI	88.1 SI	88.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C;C _{tr}) [dB]	3	40 (-1;-3)	40 (-1;-3)	41 (-1;-3)	41 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 74$ $\rho_v = 15$ $\rho'_v = 17$	$\tau_v = 73$ $\rho_v = 15$ $\rho'_v = 16$	$\tau_v = 73$ $\rho_v = 15$ $\rho'_v = 16$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 47$ $\tau_e = 43$ $\rho_e = 42$ $\rho'_e = 28$	$g = 47$ $\tau_e = 43$ $\rho_e = 42$ $\rho'_e = 27$	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 26$	$g = 46$ $\tau_e = 42$ $\rho_e = 42$ $\rho'_e = 25$
	Durability	3	NPD	NPD	NPD	NPD



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Multiphon® xx.x SSN 1.0 PLUS (Scheuten Super Neutral 1.0 PLUS)

EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	33.1 SI	33.2 SI	44.1 SI	44.2 SI	55.1 SI	55.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P1A	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	2(B)2	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	35 (-1;-4)	36 (-0;-3)	37 (-0;-2)	37 (-0;-2)	39 (-1;-3)	39 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 83$ $\rho_v = 9$ $\rho'_v = 11$	$\tau_v = 83$ $\rho_v = 9$ $\rho'_v = 11$	$\tau_v = 83$ $\rho_v = 9$ $\rho'_v = 11$	$\tau_v = 83$ $\rho_v = 9$ $\rho'_v = 11$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 54$ $\tau_e = 51$ $\rho_e = 37$ $\rho'_e = 28$	$g = 53$ $\tau_e = 50$ $\rho_e = 37$ $\rho'_e = 27$	$g = 53$ $\tau_e = 50$ $\rho_e = 37$ $\rho'_e = 26$	$g = 53$ $\tau_e = 50$ $\rho_e = 37$ $\rho'_e = 25$	$g = 52$ $\tau_e = 49$ $\rho_e = 37$ $\rho'_e = 25$	$g = 52$ $\tau_e = 49$ $\rho_e = 37$ $\rho'_e = 24$
	Durability	3	NPD	NPD	NPD	NPD	NPD	NPD



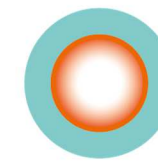
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Multiphon® xx.x SSN 1.0 PLUS (Scheuten Super Neutral 1.0 PLUS)						
EN 14449: 2005+AC	Essential characteristics:	AVCP Systems	66.1 SI	66.2 SI	88.1 SI	88.2 SI
4.3.2.1	Resistance to fire	1	NPD	NPD	NPD	NPD
4.3.2.2	Reaction to fire	3,4	NPD	NPD	NPD	NPD
4.3.2.3	External fire performance	3,4	NPD	NPD	NPD	NPD
4.3.2.4	Bullet resistance	1	NPD	NPD	NPD	NPD
4.3.2.5	Explosion resistance	1	NPD	NPD	NPD	NPD
4.3.2.6	Burglar resistance	3	P1A	P2A	P1A	P2A
4.3.2.7	Pendulum Body impact resistance	3	1(B)1	1(B)1	1(B)1	1(B)1
4.3.2.8	Resistance against sudden temperature changes and temperatures differentials [K]	4	40	40	40	40
4.3.2.9	Resistance against wind, snow, permanent and imposed load resistance [Mpa]	4	45/45	45/45	45/45	45/45
4.3.2.10	Direct airborne sound insulation R_w (C; C_{tr}) [dB]	3	40 (-1;-3)	40 (-1;-3)	41 (-1;-3)	41 (-1;-3)
4.3.2.11	U-Value (Thermal properties) [W/m ² K]	3	NPD	NPD	NPD	NPD
4.3.2.11	Normal emissivity ϵ_n of coating side	3	0,01	0,01	0,01	0,01
4.3.2.12	Light transmittance (Coating on position 1) Light reflectance outside Light reflectance inside	3	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 82$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$	$\tau_v = 81$ $\rho_v = 9$ $\rho'_v = 10$
4.3.2.13	Total solar energy transmittance (Coating on position 1) Solar direct transmittance Solar direct reflectance outside Solar direct reflectance inside	3	$g = 52$ $\tau_e = 48$ $\rho_e = 37$ $\rho'_e = 24$	$g = 52$ $\tau_e = 48$ $\rho_e = 37$ $\rho'_e = 23$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 22$	$g = 51$ $\tau_e = 47$ $\rho_e = 37$ $\rho'_e = 21$
	Durability	3	NPD	NPD	NPD	NPD



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The performance of the product (1) 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 (3) identified above.

Signed for and on behalf of the manufacturer by:

Dhr. R. Geerlings, (CCO) Scheuten Glass Holding b.v.

Venlo, 1 January 2021