

Certificate No: ET-0230-18

Name and address of the sponsor: Haapsalu Uksetehase AS, Masti tn. 8, Uuemõisa alevik, 90401 Haapsalu linn, Lääne maakond, ESTONIA

Name and address of the producer: Haapsalu Uksetehase AS, Masti tn. 8, Uuemõisa alevik, 90401 Haapsalu linn, Lääne maakond, ESTONIA

Product: Fire-, smoke- and sound rated wooden double leaf door EI30

Date: 02.11.2020

1. Essential characteristics and performance

Classification of solid door according to EN 13501-2:2016: **EI₁30 – C5 or EI₁30 – Sa/S₂₀₀ – C0**

| Essential characteristics | Performance | | | | | | | | | |
|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--|
| | E15 | E20 | E30 | E45 | E60 | E90 | E120 | E180 | E240 | |
| Resistance to fire | EI ₁ 15 | EI ₁ 20 | EI ₁ 30 | EI ₁ 45 | EI ₁ 60 | EI ₁ 90 | EI ₁ 120 | EI ₁ 180 | EI ₁ 240 | |
| | EI ₂ 15 | EI ₂ 20 | EI ₂ 30 | EI ₂ 45 | EI ₂ 60 | EI ₂ 90 | EI ₂ 120 | EI ₂ 180 | EI ₂ 240 | |
| | - | EW20 | EW30 | - | EW60 | EW90 | EW120 | - | - | |
| | Sa | | | | | S ₂₀₀ | | | | |
| Smoke control | Sa | | | | | S ₂₀₀ | | | | |
| Self closing | C0 | C1 * | C2 * | C3 * | C4 * | C5 * | | | | |

Classification of glazed door according to EN 13501-2:2016: **EI₂30 – C5 or EI₂30 – Sa/S₂₀₀ – C0**

| Essential characteristics | Performance | | | | | | | | | |
|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--|
| | E15 | E20 | E30 | E45 | E60 | E90 | E120 | E180 | E240 | |
| Resistance to fire | EI ₁ 15 | EI ₁ 20 | EI ₁ 30 | EI ₁ 45 | EI ₁ 60 | EI ₁ 90 | EI ₁ 120 | EI ₁ 180 | EI ₁ 240 | |
| | EI ₂ 15 | EI ₂ 20 | EI ₂ 30 | EI ₂ 45 | EI ₂ 60 | EI ₂ 90 | EI ₂ 120 | EI ₂ 180 | EI ₂ 240 | |
| | - | EW20 | EW30 | - | EW60 | EW90 | EW120 | - | - | |
| | Sa | | | | | S ₂₀₀ | | | | |
| Smoke control | Sa | | | | | S ₂₀₀ | | | | |
| Self closing | C0 | C1 * | C2 * | C3 * | C4 * | C5 * | | | | |

* Declaration of smoke control excludes classifications C1 – C5. The self-closing classifications C1 – C5 cover doorsets with a maximum active door leaf weight of 99,6 kg and passive door leaf weight of 99,2 kg and fitted with the following hardware: hinges Abloy N3248-110 TMSS, lock+ striking plate ASSA 565 + ASSA 2865-1, door closer Dorma TS 93 B EN 2-5 + co-ordinator Dorma G-SR, automatic flush bolt Olda 31 HZ-C.



2. Product specification and field of application

| Detail | max W, mm | max H, mm | max A, m ² |
|--|--------------------|-----------|-----------------------|
| Active leaf if fire resistance is declared | 1408 | 2581 | 3,30 |
| Passive leaf if fire resistance is declared | 1274 | 2581 | 2,98 |
| Active leaf if smoke control S ₂₀₀ is declared | 1111 | 2135 | 2,37 |
| Passive leaf if smoke control S ₂₀₀ is declared | 1123 | 2135 | 2,39 |
| Active leaf if smoke control Sa is declared | 1777 | 3416 | 4,26 |
| Passive leaf if smoke control Sa is declared | 1796 | 3416 | 4,31 |
| Thickness of the door leaf | 62 mm | | |
| Frame profile | 42 / 30 mm x 92 mm | | |
| Threshold profile | 25 / 15 mm x 92 mm | | |

| Field of application for fire resistance | Field of application for smoke control |
|---|--|
| The mode of operation of leaves shall not be changed. | |
| The thickness of the door leaf shall not be reduced but may be increased provided the total increase in weight is not greater than 25 %. For doorsets with multiple leaves, each door leaf shall be increased by the same amount. | |
| The cross-sectional dimensions and/or the density of the timber frames (including rebates) shall not be reduced but may be increased. | |
| Doorset may be installed only with wooden threshold or with wooden threshold and automatic drop seal Schall-Ex Duo L-15 provided the rebate of leaf and threshold is maintained. | In case of Sa the doorset may be installed only with automatic drop seal Schall-Ex Duo L-15, with automatic drop seal Schall-Ex Duo L-15 and wooden threshold, only with wooden threshold or without threshold. In case of S200 the doorset may be installed only with wooden threshold, with wooden threshold and automatic drop seal Schall-Ex Duo L-15 or only with wooden threshold that imitates the sealing system used on the upper edge of leaf.. |

| Glass panes | Performance | | max W, mm | max H, mm | max A, m ² |
|----------------------------------|---|--|-----------|-----------|-----------------------|
| | Fire resistance up to 30 min | Smoke control Sa/S ₂₀₀ | | | |
| Pyrostop 30-10, thickness 15 mm | + |  | 951 | 2271 | 1,95 |
| | + | + | 841 | 1865 | 1,56 |
| Toughened glass, thickness 10 mm |  | + | 841 | 1865 | 1,56 |

| Field of application for fire resistance | Field of application for smoke control |
|---|--|
| Doorset may be produced with glazing or without glazing. | |
| The minimum permitted distance between the edge of glazing and the vertical edge of leaf is on 130 mm. The minimum permitted distance between the edge of glazing and the horizontal edge of leaf is 130 mm. | |



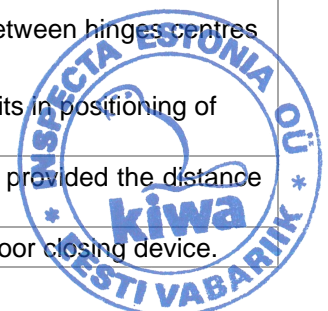
| Sealing of the door leaf and frame | |
|------------------------------------|--|
| Intumescent sealing (10 x 4,0) mm | 2 stripes on top and on vertical frame members and between leaves; 1 stripe on bottom edge of doorleaves. |
| Silicone sealing (18 x10) mm | 1 stripe on top, bottom and on hinges side edge of doorleaves, 2 stripes on meeting edge of inactive door leaf. |

| Hardware | |
|--|--|
| Lock + Striking plate | Abloy 4290 + Abloy 4690; Abloy 4190 + Abloy 4690; ASSA 565 +ASSA 2865-1; ASSA 310 + ASSA 1487-1; VingCard Signature 3G RFID + Abloy 5958; VingCard Essence + ASSA 5994; Eco Schulte GBS 81 + VR200 |
| Additional lock + Striking plate | ASSA 4181 + ASSA 4690 |
| Hinges /4 pcs per leaf if fire resistance and/or self closing is declared. 3 pcs per leaf if only smoke control is declared or fire resistance is declared for door leaf with height up to 2150 mm./ | Abloy N3248-110 TMSS; Pandoor Zn; concealed hinge TE 340 3D FR; concealed hinge TE 540 3D FR |
| Bolt | Olda 31 HZ-C; Fiskostar 150M *; DF 3001 (Primo 3001) |
| Emergency exit device | Iseo Serrature, type VAL 9472020504 |
| Closer | Dorma TS 93 B EN 2-5 |
| Slide channel door co-ordinator | Dorma G-SR |
| Door viewer | SWLAF RF30; digital door viewer art. E1500371 (Van Leuween) |
| Mechanical doorbell | Abloy 64A L ** |
| Alarm contact | EA501, DC106 |
| Lead cover | EA 281 |
| Security door guard | Häfele 911.59.085 ** |
| Letter plate | Primo 31 ** |

* Hardware is not permitted if fire resistance is declared.

** Hardware is not permitted if smoke control is declared.

| Field of application for fire resistance | Field of application for smoke control |
|--|---|
| Position of lock is 1020 ± 200 mm from lower edge of doorleaf. Additional lock if it exists is positioned 400 mm from the main lock. | |
| Distance between the centre of the endmost hinges and edge of doorleaf is 100 mm – 250 mm. In case of four hinges the upper centre hinge is positioned 250 mm from the upper one and the maximum allowed distance between hinges centres is 870 mm. | In case of S ₂₀₀ maximum allowed distance between the upper hinge and edge of doorleaf is 350 mm. Maximum allowed distance between the lower hinge and edge of doorleaf is 345 mm. Maximum allowed distance between hinges centres is 820 mm. In case of S _a there are no limits in positioning of hinges. |
| The number of hinges may be increased. The number of hinges may be decreased provided the distance between hinges is not increased. | |
| If self-closing characteristics are not required, the doorset may be installed without door closing device. | |



3. General field of application

| Field of application for fire resistance | Field of application for smoke control |
|---|--|
| The door leaf and the door frame may be painted. | |
| Decorative laminates and timber veneers up to 2 mm thickness may be added to the faces (but not the edges) of leaves in doorsets which satisfy the insulation criteria. | |
| Decorative laminates and timber veneers up to 0,8 mm thickness may be added to the edges if the maximum allowed dimensions of the doorleaf are not exceeded. | |
| The door may be produced with grooves (up to 19 mm x 1,8 mm). | - |
| Doorset may be mounted in standard high density rigid, in standard low density rigid and in standard flexible supporting construction. | |
| Installation gap ≤ 30 mm on top, ≤ 20 mm on vertical edges and ≤ 10 mm on bottom is sealed as follows: wool + PU fire rated foam + installation mastic. | |
| Sealing of installation gap is covered with soft wood architraves (12 x 35/70) mm. | - |

