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| **TOILET CUBICLE UNIT TYPE EF-3 ALTUS** |
|  | **The text modules shown below in blue are options that can be selected by the contracting authority as an alternative to the text printed in black. In this case, the corresponding black text must be deleted and the description “as an alternative“ removed.** |
| **MODEL:** | **TYPE EF-3 ALTUS** from SchäferTrennwandsysteme GmbH, 56593 Horhausen, Phone: (+49) 2687 / 91510, [www.schaefer-tws.de](http://www.schaefer-tws.de) or technical and visual absolutely equal, |
| **CERTIFICATIONS, STANDARDS:** | The system is TÜV tested (German Association for Technical Inspection) and has a GS mark. The corresponding certificate must be presented. Systems without a valid TÜV GS test are not permitted To prove the sustainability of the product, the cubicle system must be PEFC (PEFC/04-31-3143) or FSC® (FSC-C147242) certified. The corresponding certificate from the cubicles manufacturer must be presented. Cubicle systems without a valid PEFC or FSC® certification are not permitted. It is not enough to provide a general certification of the used panels. The material used comply in detail with the following standards and regulations: * HPL compact panels according to DIN EN 438-7
* Stainless steel according to DIN EN 10088, material quality 1.4301, respectively ASTM A276, AISI 304
* Aluminium profiles according to DIN EN 573 and DIN EN 755, material quality EN WA6063. Surface treated (non-surface treated aluminium parts are not permitted) colourless anodized according to EURAS E6 / C-0 or DIN 17611 E6 / EV1 or powder coating according to DIN EN 12206-1
* Adhesives and sealants may only be used if they are not subject to classification according to the EU Chemicals Regulation (CLP regulation)
* The product complies with the European regulation of registration, evaluation, approval, and restriction of chemical substances (REACH). A corresponding declaration of conformity from the manufacturer can be submitted.
* Fastening materials such as screws, rivets, etc. galvanized or made of stainless steel.
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| **DESIGN:** | Room-high toilet cubicle unit. Moisture resistant solid grade laminate panels built as a sandwich element by an aluminum frame. Absolutely moisture resistant, rot proof, scratch, and impact resistant |
| **CONSTRUCTION:** | Room-high toilet cubicle unite made of 36 mm thick, torsion-resistant sandwich construction. Internal aluminium frame made of stable multi-chamber profiles, surface natural colour anodized E6/EV1. The frame forms the outer shapely frame finish of the sandwich element and at the same time ensures the required stability of the panel. The vertical edges of the elements (doors and side panels) consist of a rebated aluminium profile forming the door rebate, lying flush in the wall plane. HPL single lipping with aluminium inlay as well as plastic frames and plastic rebate profiles are not permitted. Top layer of 3 mm thick solid grade laminate on both sides. The solid grade laminate panels are grooved into the aluminium frames for fixing. Element filling by polyurethane foaming (injection method), CFC-H-free. Polystyrene fillings, inserted polyurethane panels and paper honeycombs are not permitted.The front wall elements must be in one piece from floor to ceiling. Die Vorderfrontelemente müssen durchgehend vom Boden bis zur Decke ausgeführt werden. An interruption by profiles is not permitted. The vertical edges of the elements (doors and side panels) consist of a rebated aluminium profile. Complete front with shadow gaps all around. (laterally est. 10 – 15 mm, floor and ceiling est. 15 – 20 mm). In case of suspended ceiling, the ceiling must have a sufficiently stable under construction on site.The construction of the dividing walls corresponds to the room-high front wall elements. A separation of the dividing walls in a horizontal direction is not permitted. All around shadow gap. Connection dividing wall – front wall is blunt and not visible.**As an alternative:** Construction with flame-resistant elements. Elements with 3mm thick solid grade laminate panels on both sides, fire protection class according to Euroclass EN 13501-1 C-s2,d0. Element filling with non-combustible aluminium honeycombs. Bonding by using special adhesive with shipbuilding approval (fire protection according to IMO). The classification certificates must be submitted.  |
| **DOORS:** | Construction of doors corresponds to the front wall. Interior rebated door catcher flush integrated into wall section. Integrated rubber buffer lips for silent operation. Glued on buffers or any other tapes for silent operation are not permitted |
| **HARDWARE:** | Self-closing doors through an integrated tenon hinge for a max. door opening of 110°. This means no hinges are visible in the front. Hinge bracket out of aluminium, adjustable to hold open or shut door. Finger protection on the hinge side made with two profiles. Finger protection with rubber is not permitted. Lock with zinc latch and stainless steel bolt. Schäfer door knob out of polyamide. Knob-set with vacant/engaged indicator behind plexiglass, screwed throughout and an emergency unlocking device for emergency key. Door knob on the outside with white indicator sign.**As an alternative:** Hinges not visible in the front, e.g. Simonswerk TECTUS hinges without self-closing function. **As an alternative:** Hinges not visible in the front, e.g. Simonswerk TECTUS hinges without self-closing function. Self-closing function made with door closer which are not visible in the front. **As an alternative:** Fully galvanised bolt lock with stainless steel front plate. Schäfer SLIDESAFE sliding single-handed fitting made of anodised aluminium. Outside with clearly visible viewing window of at least 5 cm² for free/occupied indication and emergency release opening for hexagonal pin key. Inside, smooth-running push handle for locking and opening the door with two clearly visible viewing windows of at least 10 cm² viewing windows for the free/occupied indicator. The locking status must also be displayed inside the cabin. Fitting solutions that do not display the locking status in the cabin are not permitted. **As an alternative:** Bolt lock with zinc latch and stainless steel plate. Schäfer one hand door knob INSAFE made of natural anodised aluminium. On the outside a fixed door knob with two clearly visible viewing windows for vacancy / engaged display, at least 25 mm wide. Emergency release for hexagon keys. On the inside a very easy-to-grip door knob with two clearly visible viewing windows for vacancy / engaged display, at least 25 mm wide. The locking status must be displayed in the inside of the cubicles. Hardware solutions that do not indicate the locking status inside the cubicle are not permitted **As an alternative:** Bolt lock with zinc latch and stainless steel plate. Schäfer one hand door knob made of stainless steel. On the outside a fixed door knob with vacancy/engaged display and emergency release for hexagon keys. On the inside knurled door knob with arrows. **As an alternative:** fully galvanized lock with latch and bolt. Safety handle made of anodized aluminium in an L-shape (Frankfurt model) Rosettes, latch olive, vacancy / engaged display and emergency release on the outside. Hook and buffer also made of anodized aluminium. **As an alternative:** fully galvanized lock with latch and bolt. Safety handle made of stainless steel in an L-shape (Frankfurt model) Rosettes, latch olive, vacancy / engaged display, and emergency release on the outside. Hook and buffer also made of stainless steel. **As an alternative:**Handrail on the outside of the door made of anodised aluminium, 55 x 20 mm. Length optionally 500 mm, 1.150 mm or adapted to the upper edge of the door leaf. Integrated free occupied indicator (red-white) and emergency unlocking by means of hexagon socket. On the inside with the Schäfer INSAFE one-hand door knob made of anodised aluminium with particularly easy-grip knob and two clearly visible, at least 25 mm wide viewing windows of the free/occupied indicator. The locking status must also be visible at the inside of the cubicle. Fitting solutions that do not indicate the locking status inside the cubicle are not permitted. Bolt lock with zinc die-cast bolt and stainless steel forend. **As an alternative:**In addition to the fitting specified above, free-occupied indication by means of LED display, 500 mm long, recessed in the side panel next to the door with plexiglass cover. The LED display permanently indicates the locking status of the cubicle (free = green, occupied = red). Power supply on site by means of 12 Volt DC supply line. Cable routing concealed within the partition wall elements. |
| **STANDARD ACCESSORIES:** | Per cubicle 1 hook, 1 door buffer, the material of the accessories corresponds to that of the door handles.**Optional accessories:**Schäfer hook stainless steel ES6010Schäfer hook with buffer stainless steel ES6007Schäfer toilet roll holder stainless steel ES6001Schäfer spare toilet roll holder stainless steel ES6002Schäfer toilet brush stainless steel ES6003Schäfer hook aluminium AL7010Schäfer hook with buffer aluminium AL7007Schäfer toilet roll holder aluminium AL7001Schäfer spare toilet roll holder aluminium AL7002Schäfer toilet brush aluminium AL7003 |
| **COLOURS:** | Panels and hardware according to manufacturer’s colour-chart. Profiles aluminium anodised (E6/EV1)**As an alternative:**BLACKLINE variant: Design variant in black. Schäfer INSAFE one-hand door knob or lever handle set and all other door fittings (hinges, hooks, buffers) made of black anodised aluminium. All aluminium profiles black anodised (C35). Panels in colour Schäfer 2009 black. |
| **HEIGHT:** | Room-high cubicle unit adapted to the situation on site. Door height limit to 2650 mm. In higher units, a panel is installed flush over the doors, which is attached invisibly.  |
| **ACCESSORIES:****09/2024** | Privacy screen 400 x 900 mm, made of the same material as the cubicle elements, wall mounted. Fastening by two anodized aluminium backets, which are screwed invisibly onto the back of the privacy screen and additionally stabilise it. Aluminium brackets with contact surface to the brick wall, which is additionally provided with adhesive to give a maximum hold. **As an alternative:** Privacy screen 400 x 900 mm, made of 10 mm thick safety glass with ceramic screen printing on one side. Wall mounted with four anodized aluminium brackets. |