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| **TOILET CUBICLE UNIT TYPE EF-3H** | |
|  | **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-3H** 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 cubicle’s 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. |
| **DESIGN:** | 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:** | 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.  An horizonal, continuous aluminium profile, 68,5 x 160 mm runs over the front wall with special brackets made of galvanized steel attached to the brick wall.  Because of this profile, cubicle rows up to 4500 mm width can be installed without feet. The wall connections are made by encompassing aluminium U-profiles to allow tolerances.  **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.  **As an alternative  (not possible with cut out in the wall connections):**  wall connections are made with U-profiles as shadow gap. |
| **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 for outwards opening doors (mandatory)**  Two aluminium rising hinges screwed into the fold, with high-performance polymer. Door opening max. 180°, adjustable for automatic opening or closing of the doors.  **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. |
| **FEET:** | Necessary feet, e.g. in cubicle rows over 4500 mm, corner cubicles or extra-long dividing walls are adjustable with welded plate and rosette made of stainless steel DIN 1.4301. Plastic feet or plastic cover rosettes are not permitted.  **As an alternative:**  Necessary feet, e.g. in cubicle rows over 4500 mm, corner cubicles or extra-long dividing walls are adjustable with welded plate and rosette made of natural anodised aluminium (E6/EV1). Plastic feet or plastic cover rosettes are not permitted. |
| **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 ES6010 Schäfer hook with buffer stainless steel ES6007 Schäfer toilet roll holder stainless steel ES6001 Schäfer spare toilet roll holder stainless steel ES6002 Schäfer toilet brush stainless steel ES6003  Schäfer hook aluminium AL7010 Schäfer hook with buffer aluminium AL7007 Schäfer toilet roll holder aluminium AL7001 Schäfer spare toilet roll holder aluminium AL7002 Schäfer toilet brush aluminium AL7003 |
| **COLOURS:** | Panels and hardware according to manufacturer’s colour-chart. Aluminium profiles natural anodized (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. |
| **HEIGHT:** | Standard height 2.160 mm incl. 150 mm floor clearance. |
| **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. |