

Marine certified toilet cubicles.
For the modern marine equipment.

schäfer[®]
Trennwandsysteme



Photo: MSC SEAVIEW



Stylish and elegant partitioning.

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BEFORE WE
EXPECT TRUST FROM
OUR CUSTOMERS,
WE PROVIDE EVIDENCE
that's us!

ENVIRONMENT & SUSTAINABILITY

that's us!

Sustainable management and careful use of resources are a matter of course for us and part of our corporate philosophy. This basic idea is consistently integrated and lived in our work processes.

We are proud to be the first certified manufacturer of partition systems and lockers in Germany to operate according to the FSC™ and PEFC guidelines.

PEFC - registered

We pay attention to a sustainable supply chain in which our products are procured under ecological, economic and socially just aspects.

FSC™ - certified

As the first certified manufacturer in the area of partition systems and lockers in Germany, we make an active contribution to the protection of our earth with this future-oriented procurement method. We supply almost our entire range from sustainable wood in accordance with the specifications of the FSC™.



On request
the products are
available with
FSC™ certification

MADE IN GERMANY

that's us!

Our products are manufactured for you at the company site in Horhausen, Rhineland-Palatinate. This is the only way we can guarantee the high quality standards we set for our products.



PREQUALIFIED

that's us!

We are registered in the list of prequalified construction companies with the number 010.049740, proving that we are qualified for the products and services we offer.



INNOVATIVE & DESIGN-ORIENTED

that's us!

With our design-oriented and innovative products, we convince not only our customers, but also national and international committees.





MSC MUSICA
Operated by: MSC Cruises
Photo: MSC Crociere S.A.



Schäfer toilet cubicles for ships - the first choice for public sanitary facilities at sea!

The Schäfer NAVIC and EF-3 toilet cubicle systems have been specially developed to meet the high demands of public sanitary facilities on ships of all kinds: A stable and robust design for trouble-free continuous operation, a unique design and the use of materials that fulfil the high requirements for fire protection and ship certification. In developing these types, we have incorporated our many years of experience in equipping ships of all kinds to offer our customers a perfect product.



MS ROALD AMUNDSEN
 Operated by: Hurtigruten
 Photo: Oscar Farrera / Hurtigruten

DNV-GL

Certificate No: **HE000001066**
Revision No: **1**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:
 That the Quality System for the products
) as specified in the Appendix to this Certificate

**International GmbH
 d-Pfalz, Germany**

the applicable requirements,
 been associated with respect to the procedure of conformity assessment described
 in the directive 2014/90/EU and regulation (EU) 2018/773.

until **2020-02-07**
 2018-09-14

for DNV GL SE

Sven Dudzus
 Head of Notified Body

ISTITUTO GIORDANO

CE NOTIFIED BODY No. 8497

EC TYPE-EXAMINATION CERTIFICATE - MODULE B

N. MED-147 (06-289-2802) rev. 2
 USCG 304.209/EC0407

This is to certify that the product:

Title name of the product:
 Reg. No. 2008/773 Rev.
 Applicant:
 EC Part Design No.
 In compliance
 This certificate will not be valid
 equipment, which is
 issued in Berlin (Germany) on:
 Expiry date 05/12/2013

CERTIFICATO CE GARANZIA T (M)
EC QUALITY SYSTEM

Si certifica che il Gruppo Operatore ha adottato
 l'implementazione del Laboratorio di Assicurazione
 dell'Integrità della nave (LISA) secondo i requisiti
 dell'ISO 9001:2008 e che il Gruppo Operatore ha adottato
 l'implementazione del Sistema di Gestione della Qualità
 secondo i requisiti dell'ISO 9001:2008 e che il Gruppo
 Operatore ha adottato l'implementazione del
 Sistema di Gestione della Sicurezza secondo i
 requisiti dell'ISO 45001:2018.

At the
 FABRIKANT/Manufacturer:
 Manufacturer's certificate no. (where applicable)
 Marking:
 Manufacturer's name and address (where applicable)
 Serial number:
 (where applicable)

ISTITUTO GIORDANO S.p.A.
 www.giordano.it - info@giordano.it

DGUV Test
 TÜV und GUTACHTEN

European notified body
 Identification number 0726

EC-Type Examination (Module B) Certificate

Certificate No. **158.182** U.S. Coast Guard Approval No. **164.112/EC0736/118.182**

Name and address of the manufacturer:
 Date of issue: **17.02.2018**
 Annex A.1 Item No. & Item description: **A.10**
 Product designation: **Surfer**
 Intended customer: **Surfer (120) (RIB)**
 Testing based on: **IMO 97/11 and IMO 97/12**
 Remarks: **300 ps**

This type limited area is set in the USCGE, as submitted by Director.

This certificate may only be used in:

Expiry date: **16.02.2019**

Additional equipment does not apply/does not exist.
 Note 1: This certificate will not be valid if the equipment, which bears this mark, is used in a way that is not intended.
 Note 2: Should the specified requirements be approved prior to the date of issue.
 Note 3: The issue of Certificates of Conformity issued after the product certified by a notified body is not covered by this certificate.

Phöbe Laser GmbH
 Leubach im Rigi - 67084 RIGI

For the type of product:
SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS; DECORATIVE VENEERS

Regulation:
 SOLAS IV (conformity as amended - Regulations 9-25, 9-25.1, 9-25.1.1, 9-25.1.2, 9-25.1.3, 9-25.1.4, 9-25.1.5, 9-25.1.6, 9-25.1.7, 9-25.1.8, 9-25.1.9, 9-25.1.10, 9-25.1.11, 9-25.1.12, 9-25.1.13, 9-25.1.14, 9-25.1.15, 9-25.1.16, 9-25.1.17, 9-25.1.18, 9-25.1.19, 9-25.1.20, 9-25.1.21, 9-25.1.22, 9-25.1.23, 9-25.1.24, 9-25.1.25, 9-25.1.26, 9-25.1.27, 9-25.1.28, 9-25.1.29, 9-25.1.30, 9-25.1.31, 9-25.1.32, 9-25.1.33, 9-25.1.34, 9-25.1.35, 9-25.1.36, 9-25.1.37, 9-25.1.38, 9-25.1.39, 9-25.1.40, 9-25.1.41, 9-25.1.42, 9-25.1.43, 9-25.1.44, 9-25.1.45, 9-25.1.46, 9-25.1.47, 9-25.1.48, 9-25.1.49, 9-25.1.50, 9-25.1.51, 9-25.1.52, 9-25.1.53, 9-25.1.54, 9-25.1.55, 9-25.1.56, 9-25.1.57, 9-25.1.58, 9-25.1.59, 9-25.1.60, 9-25.1.61, 9-25.1.62, 9-25.1.63, 9-25.1.64, 9-25.1.65, 9-25.1.66, 9-25.1.67, 9-25.1.68, 9-25.1.69, 9-25.1.70, 9-25.1.71, 9-25.1.72, 9-25.1.73, 9-25.1.74, 9-25.1.75, 9-25.1.76, 9-25.1.77, 9-25.1.78, 9-25.1.79, 9-25.1.80, 9-25.1.81, 9-25.1.82, 9-25.1.83, 9-25.1.84, 9-25.1.85, 9-25.1.86, 9-25.1.87, 9-25.1.88, 9-25.1.89, 9-25.1.90, 9-25.1.91, 9-25.1.92, 9-25.1.93, 9-25.1.94, 9-25.1.95, 9-25.1.96, 9-25.1.97, 9-25.1.98, 9-25.1.99, 9-25.1.100, 9-25.1.101, 9-25.1.102, 9-25.1.103, 9-25.1.104, 9-25.1.105, 9-25.1.106, 9-25.1.107, 9-25.1.108, 9-25.1.109, 9-25.1.110, 9-25.1.111, 9-25.1.112, 9-25.1.113, 9-25.1.114, 9-25.1.115, 9-25.1.116, 9-25.1.117, 9-25.1.118, 9-25.1.119, 9-25.1.120, 9-25.1.121, 9-25.1.122, 9-25.1.123, 9-25.1.124, 9-25.1.125, 9-25.1.126, 9-25.1.127, 9-25.1.128, 9-25.1.129, 9-25.1.130, 9-25.1.131, 9-25.1.132, 9-25.1.133, 9-25.1.134, 9-25.1.135, 9-25.1.136, 9-25.1.137, 9-25.1.138, 9-25.1.139, 9-25.1.140, 9-25.1.141, 9-25.1.142, 9-25.1.143, 9-25.1.144, 9-25.1.145, 9-25.1.146, 9-25.1.147, 9-25.1.148, 9-25.1.149, 9-25.1.150, 9-25.1.151, 9-25.1.152, 9-25.1.153, 9-25.1.154, 9-25.1.155, 9-25.1.156, 9-25.1.157, 9-25.1.158, 9-25.1.159, 9-25.1.160, 9-25.1.161, 9-25.1.162, 9-25.1.163, 9-25.1.164, 9-25.1.165, 9-25.1.166, 9-25.1.167, 9-25.1.168, 9-25.1.169, 9-25.1.170, 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9-25.1.503, 9-25.1.504, 9-25.1.505, 9-25.1.506, 9-25.1.507, 9-25.1.508, 9-25.1.509, 9-25.1.510, 9-25.1.511, 9-25.1.512, 9-25.1.513, 9-25.1.514, 9-25.1.515, 9-25.1.516, 9-25.1.517, 9-25.1.518, 9-25.1.519, 9-25.1.520, 9-25.1.521, 9-25.1.522, 9-25.1.523, 9-25.1.524, 9-25.1.525, 9-25.1.526, 9-25.1.527, 9-25.1.528, 9-25.1.529, 9-25.1.530, 9-25.1.531, 9-25.1.532, 9-25.1.533, 9-25.1.534, 9-25.1.535, 9-25.1.536, 9-25.1.537, 9-25.1.538, 9-25.1.539, 9-25.1.540, 9-25.1.541, 9-25.1.542, 9-25.1.543, 9-25.1.544, 9-25.1.545, 9-25.1.546, 9-25.1.547, 9-25.1.548, 9-25.1.549, 9-25.1.550, 9-25.1.551, 9-25.1.552, 9-25.1.553, 9-25.1.554, 9-25.1.555, 9-25.1.556, 9-25.1.557, 9-25.1.558, 9-25.1.559, 9-25.1.560, 9-25.1.561, 9-25.1.562, 9-25.1.563, 9-25.1.564, 9-25.1.565, 9-25.1.566, 9-25.1.567, 9-25.1.568, 9-25.1.569, 9-25.1.570, 9-25.1.571, 9-25.1.572, 9-25.1.573, 9-25.1.574, 9-25.1.575, 9-25.1.576, 9-25.1.577, 9-25.1.578, 9-25.1.579, 9-25.1.580, 9-25.1.581, 9-25.1.582, 9-25.1.583, 9-25.1.584, 9-25.1.585, 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ULTRAMARINE
Operated by: Quark Expeditions
Photo: Quark Expeditions

The perfect design, the high quality and the marine certification gives our customers a wide range of opportunities to create a unique sanitary area. Here, we show only a few examples of our work over the last years.





NORWEGIAN EPIC
Operated by: NCL Cruises
Photo: Norwegian Cruise Line



MSC ORCHESTRA
Operated by: MSC Cruises
Photo: MSC Crociere S.A.



FJORDLINE OSLOFJORD
Operated by: Fjordline Ferries
Photo: Fjordline



MSC SPLENDIDA
Operated by: MSC Cruises
Photo: MSC Crociere S.A.



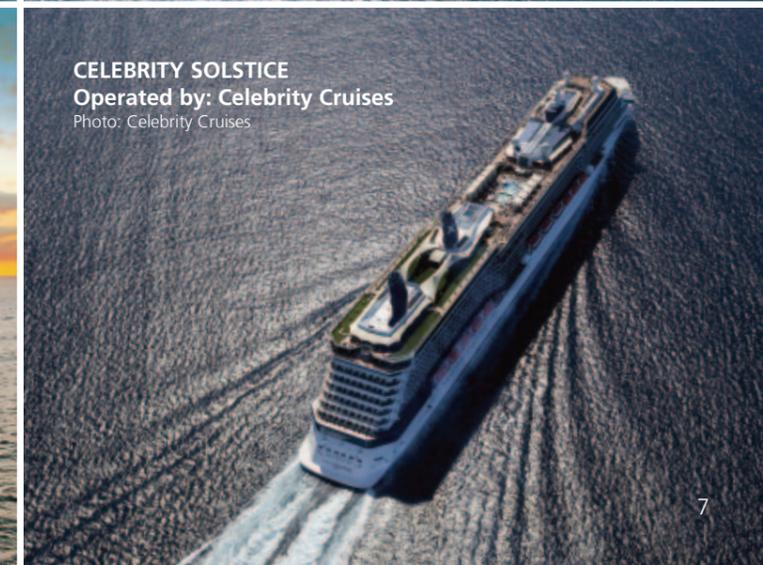
NORMANDIE
Operated by: Brittany Ferries
Photo: Brittany Ferries



MSC SEAVIEW
Operated by: MSC Cruises
Photo: MSC Crociere S.A.



CELEBRITY SILHOUETTE
Operated by: Celebrity Cruises
Photo: Celebrity Cruises



CELEBRITY SOLSTICE
Operated by: Celebrity Cruises
Photo: Celebrity Cruises



PEARL SEAWAYS
Operated by: DFDS Ferries
Photo: DFDS Seaways



SEASHORE
Operated by: MSC Cruises
Photo: MSC Crociere S.A.



ODYSSEY OF THE SEAS
Operated by: RCCL Cruises
Photo: Royal Caribbean Group



BERGENSFJORD
Operated by: Fjordline Ferries
Photo: Fjordline - Espen Gees



GORCH FOCK
German Navy
Photo: German Navy



AIDA PRIMA
Operated by: AIDA Cruises
Photo: AIDA Cruises



AURORA BOTNIA
Operated by: Wasaline
Photo: Wasaline



SYMPHONY OF THE SEA
 Operated by: RCCL Cruises
 Photo: Royal Caribbean Group

Ship Name	Operator
AIDA Cosma	AIDA Cruises
AIDA Prima	AIDA Cruises
Bretagne	Brittany Ferries
Galicia	Brittany Ferries
Normandie	Brittany Ferries
Apex	Celebrity Cruises
Ascent	Celebrity Cruises
Beyond	Celebrity Cruises
Constellation	Celebrity Cruises
Edge	Celebrity Cruises
Equinox	Celebrity Cruises
Infinity	Celebrity Cruises
Silhouette	Celebrity Cruises
Solstice	Celebrity Cruises
Pearl Seaways	DFDS Ferries
World Dream	Dream Cruises
Finnsirius	Finnlines
Bergensfjord	Fjordline Ferries
Oslofjord	Fjordline Ferries
Stavangerfjord	Fjordline Ferries
Gorch Fock	German Navy
Finnmarken	Hurtigruten
Fridtjof Nansen	Hurtigrutens
Roald Amundsen	Hurtigruten
MS RheinMagie	Köln Düsseldorf
MS RheinVision	Köln Düsseldorf
Marella Discovery 2	Marella Cruises
Bellissima	MSC Cruises
Euribia	MSC Cruises
Fantasia	MSC Cruises
Grandiosa	MSC Cruises
Magnifica	MSC Cruises
Meraviglia	MSC Cruises
Musica	MSC Cruises
Poesia	MSC Cruises
Seascape	MSC Cruises
Seashore	MSC Cruises
Seaside	MSC Cruises
Seaview	MSC Cruises
Splendida	MSC Cruises
Virtuosa	MSC Cruises
World Europa	MSC Cruises

Ship Name	Operator
Bliss	NCL Cruises
Encore	NCL Cruises
Escape	NCL Cruises
Norwegian Epic	NCL Cruises
Norwegian Prima	NCL Cruises
Norwegian Viva	NCL Cruises
European Seaway	P&O Ferries
Ultramarine	Quark Expeditions
Anthem of the Seas	RCCL Cruises
Odyssey of the Seas	RCCL Cruises
Ovation of the Seas	RCCL Cruises
Quantum of the Seas	RCCL Cruises
Spectrum of the Seas	RCCL Cruises
Symphony of the Seas	RCCL Cruises
Spirit of Adventure	Saga Cruises
Silvernova	Silverseas
Ferry Bodensee	Stadtwerke Konstanz
Stena Ebba	Stena Ferries
Stena Edda	Stena Ferries
Stena Embla	Stena Ferries
Stena Estelle	Stena Ferries
Stena Estrid	Stena Ferries
Stena Nordica	Stena Ferries
Minerva	Swan Hellenic
Vega	Swan Hellenic
Nils Holgersson	TT-Line
Peter Pan	TT-Line
Resilient Lady	Virgin Cruises
Aurora Botnia	Wasaline



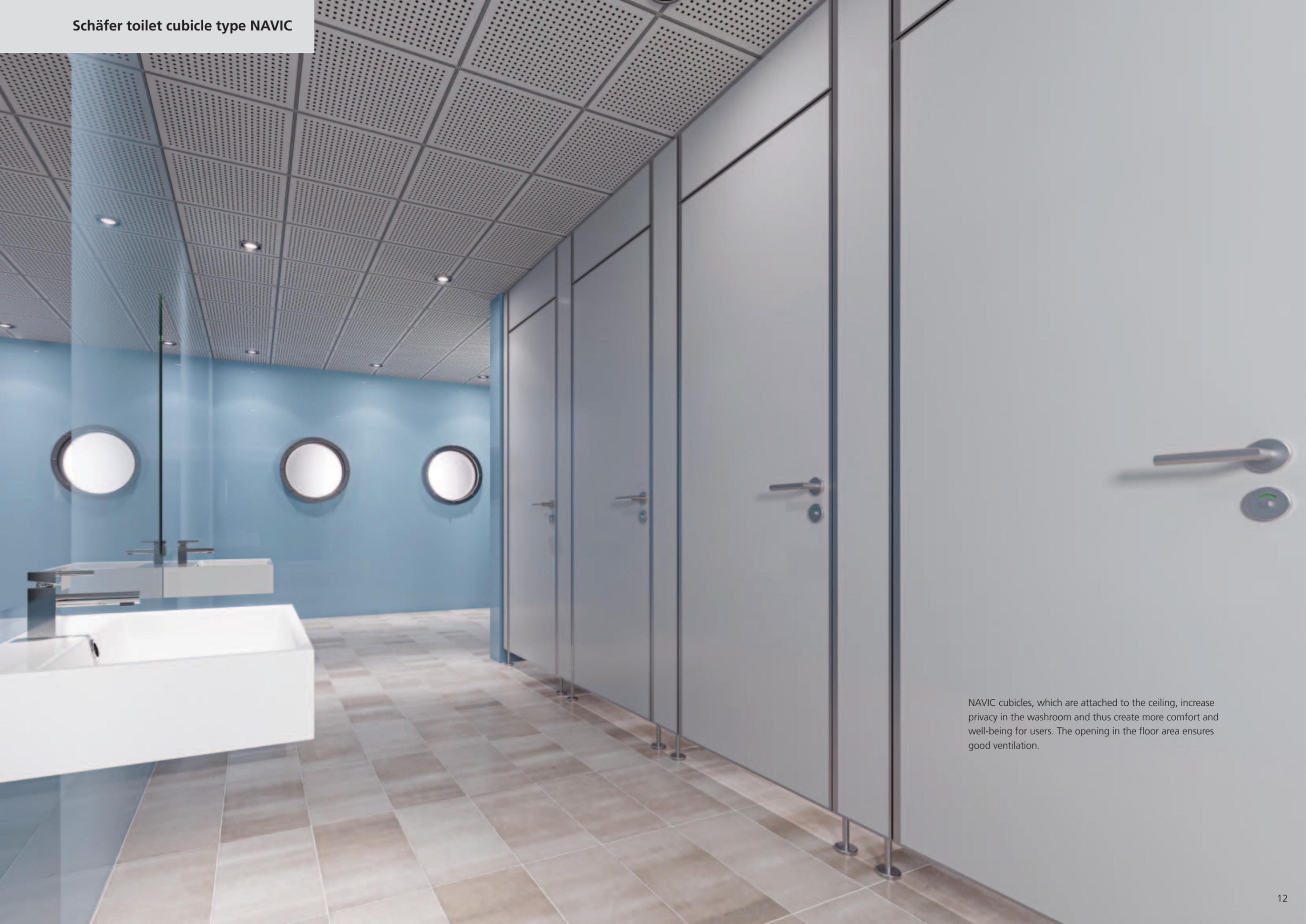
NAVIC - the perfect choice for the highest demands

The Schäfer toilet cubicle type NAVIC meets all the requirements of a modern sanitary room at sea. A 30 mm thick sandwich construction with a core made of aluminium honeycomb, a surrounding aluminium frame for effective edge protection and a cover layer of 2 mm aluminium on both sides make this system an extremely stable and durable system. As a decorative cover, laminates from all manufacturers can be used. The freedom of interior architects and designers is supported in a perfect manner.





Schäfer toilet cubicle system type NAVIC. High-quality materials guarantee longevity, trouble-free continuous operation and a pleasant sanitary experience. Exactly what guests and operators expect. By choosing different colours and decors, design accents can be set. The combination of coloured surfaces and the cool elegance of aluminium and stainless steel are perfectly matched.



NAVIC cubicles, which are attached to the ceiling, increase privacy in the washroom and thus create more comfort and well-being for users. The opening in the floor area ensures good ventilation.



NAVIC ALTUS cubicles, which are completely closed from floor to ceiling, create maximum privacy. By using only 30 mm thick elements, the space required for the walls is optimized and the user enjoys more free space in the toilet cubicle. The top panel above the door ensures that elements on the ceiling, such as smoke detectors or lighting, are not affected when the door is opened. The minimal weight of the elements is another advantage of this system.



EF-3 Marine ALTUS WC cubicles are characterised by their flush-mounted fronts, in which no profiles are visible. This allows the selected HPL decors to be shown to their best advantage. In addition to the unusual design, privacy for users is the main advantage of this cubicle system. The variant shown here with the top panel above the door has the advantage that elements that are attached to the ceiling are not affected when the door is opened. The minimal weight of the elements is another advantage of this system. Please note that due to IMO certification requirements for type EF-3, only a limited HPL decor selection is possible.

Save space and weight with our toilet partition solutions for the marine industry.

With our floor-to-ceiling, prefabricated WC partition wall systems, you achieve numerous advantages compared to conventional C-Class walls

- Significant weight reduction by up to 50%
- Space saving of almost 30%
- Quick assembly on board thanks to prefabricated elements
- Significantly less expensive solution
- Elegant and smooth design

	C-Class wall	Schäfer type NAVIC	Schäfer type EF-3 Marine
Thickness	50 mm	30 mm	36 mm
Weight per sqm (including doors)	36 kg	13 kg	13 kg
Weight for 4 cubicles	636 kg	296 kg	296 kg

For a typical sanitary room with **4 WC-cubicles**, with a **room height of 2.700 mm**, the **weight saving is approx. 300 kg!**



The variant of the EF-3 Marine ALTUS WC cubicle shown here is characterized by its full-length doors. This creates a very special design in the room. Please note that due to IMO certification requirements for type EF-3, only a limited HPL decor selection is possible.



Very special!

The maximum of exclusivity and individuality can be achieved by designing the surface in accordance with your requirements, thus turning your sanitary area into a unique showpiece. Special constructions are an exciting and challenging opportunity for us. Please note that due to IMO certification requirements for type EF-3, only a limited HPL decor selection is possible.



The Schäfer toilet cubicle type EF-3 Marine is the perfect choice when it comes to design, individuality and creativity. The system consists of a 36 mm thick sandwich panel with an internal aluminium frame, a filling of aluminium honeycomb and on both sides cover layers of 3 mm thick solid grade laminate. Rebated internal aluminium profiles make the system absolutely flush. Please note that due to IMO certification requirements for type EF-3, only a limited HPL decor selection is possible.

(1) Solid grade laminate can be provided with individualized digital printing for a very special design. The motif selected by the interior designer is pressed into the laminate during production, so that a very resistant surface is created.

(2) - (4) Also, on the panels of the wall coverings an individual motive can be realized. As a result, completely new room concepts can be created, and guests can enjoy a unique experience. A sanitary room to remember very positively.



(1)



(2)

The toilet cubicle system EF-3 Marine consists of 36 mm thick sandwich panels with 3 mm thick solid grade laminate panels on both sides and an internal aluminum frame. The inside filling of the elements is done completely by aluminium honeycomb. That achieves an extremely stable and robust construction. The door rebate is done by the interior aluminum frame with a rubber profile guarantees a silent door closing. All profiles are anodized in natural color (E6/EV1), the complete system is absolutely waterproof. Please note that due to IMO certification requirements for type EF-3, only a limited HPL decor selection is possible.

(1) + (2) Cubicle system EF-3 type 1 with stainless steel handle. The best opportunity for ships. The door will be closed by self-closing hinges. The lock with bolt and latch will avoid moving doors.



The cubicle system type EF-3 Marine JUMP impresses with its floating look. The recessed feet and the recessed headrail in combination with the wall connections as shadow gap, form a unique appearance. All parts are corrosion protected, so that the entire construction is waterproof. Not far from the standard, and yet a highly exclusive product. Please note that due to IMO certification requirements for type EF-3, only a limited HPL decor selection is possible.

Schäfer toilet cubicle details

(1) Aluminium support with cover rosette.

(2) Stainless steel support with cover rosette.

(3) All doors are equipped with door handles and a lock with bolt and latch. This ensures, that even during heavy ship movements, the doors will stay closed.

(4) A noise reducing rubber lip profile, integrated into the door profile ensures a silent door operation.

(5) Aluminium self-closing hinge with high-performance polymer inserts. These inserts ensure, that no maintenance is required and that doors will close quietly and automatically even after years of operation.

(6) All Schäfer cubicles for ships are filled with a certified aluminium honeycomb.



(1)



(2)



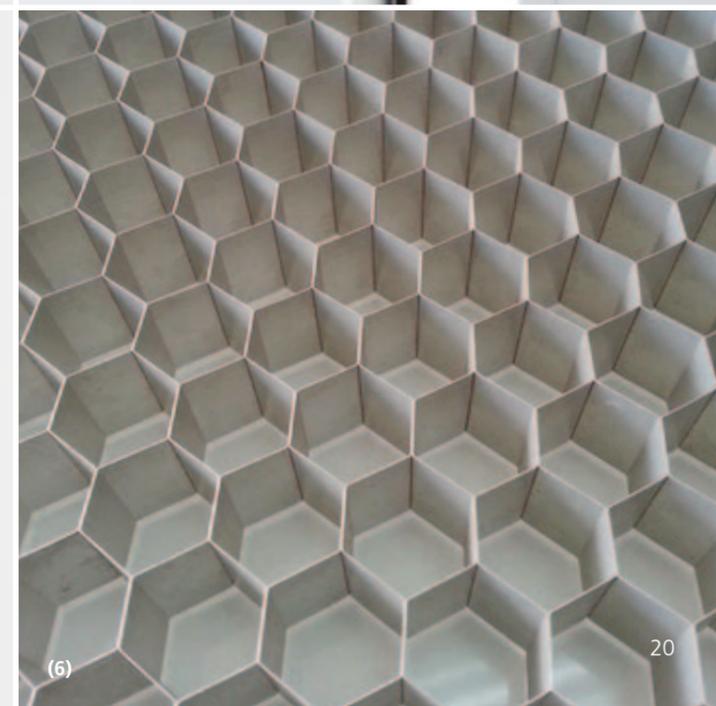
(3)



(4)



(5)



(6)





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