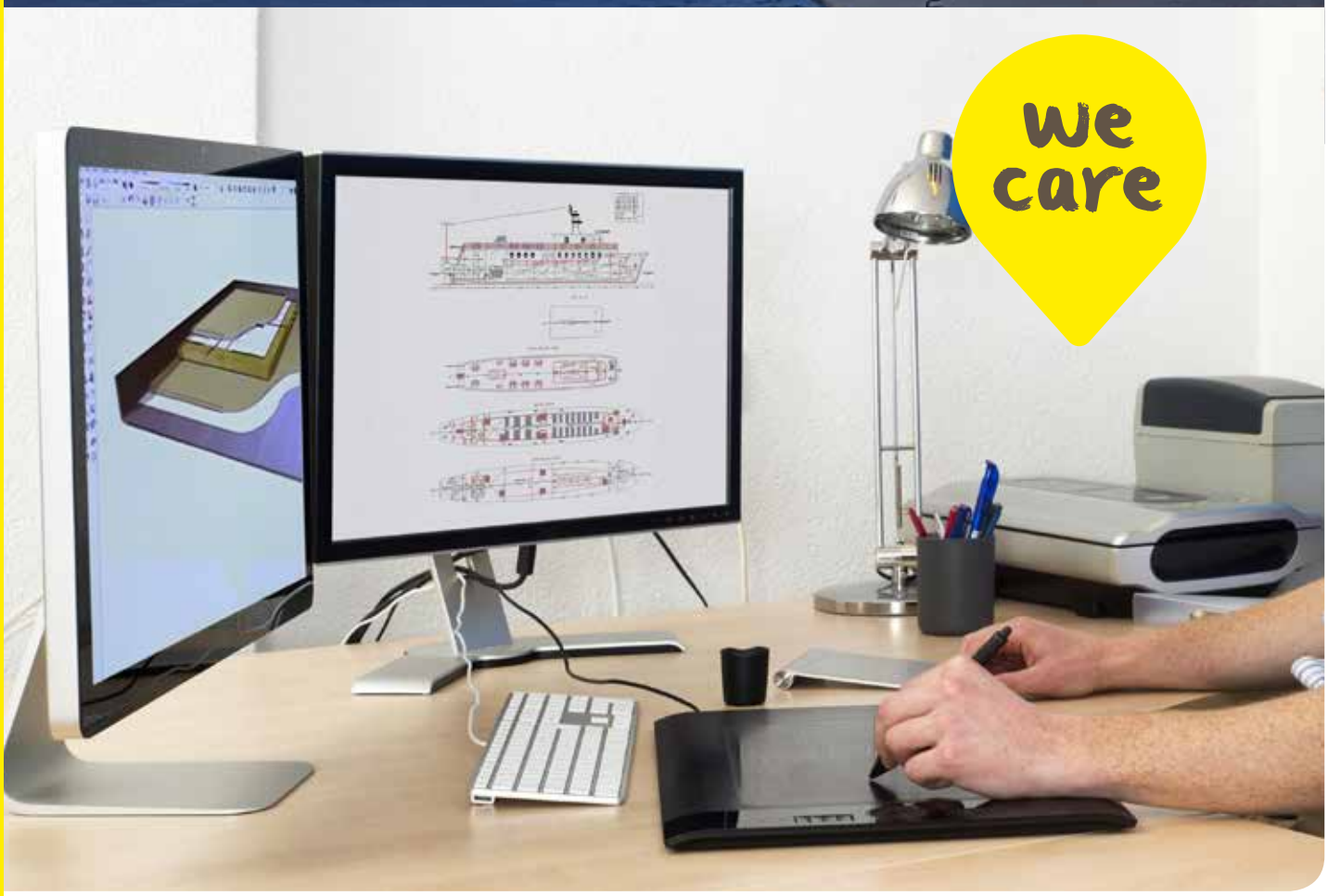
weber
SAINT-GOBAIN

Weber Marine and Offshore



High Performance Flooring Systems

Weber leads the world in the production of pumpable self-levelling floor screeds. With 30 years of experience and more than 100 million square meters applied worldwide, the Weber flooring range gives you high performance floors, for any application, quickly and cost-effectively.

Weber is more than just a range of superior floor screeds, it is a variety of superbly engineered flooring systems that build, layer by layer into the ideal solution to meet each individual flooring requirement. All weberfloor screeds are manufactured in plants working to the most stringent ISO 9001 quality standards and to ISO 14001 Environmental Management Systems.

Self-levelling and self-smoothing

They allow you to achieve the flattest, smoothest and thinnest floors possible, that will perform to exact standards, often in highly testing environments. And they will minimise installation and drying time to prevent disruption.

weberfloor delivers high quality and quick curing solutions

With the advent of pumped, self-levelling floor screeds, the world of commercial and industrial flooring was changed permanently. Weber was in the vanguard of this revolution, creating products that have brought the flooring industry up from its knees, offering the ability to create superb, high-performance seamless floors at speeds that were previously unachievable and with a quality and longevity that have become renowned throughout Europe.

Engineering and design

Specifications and design is an imperative part of the process within the industry. Weber offers Engineering Manual to our cooperation partners for this part of the project, which include a general overview of solutions in our portfolio with detailed drawings and illustrations.

Logistics and application

weberfloor products are premixed at the manufacturing plant and provide a host of features and benefits.

- **Factory blending ensures quality of product every time.**
- **Machine mixing guarantees optimum consistency.**
- **Delivered in bigbags or bulk.**
- **Pumpable, minimising down time and enhancing ergonomics.**
- **Rapid installation, fast curing.**
- **Rapid setting times mean floors are walkable after 1-3 hours.**
- **High strength, low thickness characteristics minimise loss of floor-to-ceiling height.**
- **Self compacting.**
- **Self levelling and ready to receive surface finish after 1-3 days.**
- **Up to 300 m² per hour can be covered.**
- **Applied by Accredited Weber Marine Floor Contractors.**

Certification and approvals

The Weber range of marine products satisfies the requirements stipulated by the authorities and the leading classification societies. All the Weber marine self-levelling screeds are design approved by DNV GL.

- **MED-B certificates:** DNV GL, US Coast Guard
- **Certificates also available:** ABS, NK, RMRS, TC, LR, Russian River Register, Achilles JQS, XNK, JG, Sellicha Achilles EPAL, Achilles UVOB, Achilles Connected
- **Fire resistance:** SD Fire Research, Norway.
- **Sound properties:** Lloyd´s Register ODS, Denmark.

International Logistics Centre

We focus on minimizing the risk for our cooperation partners. Part of this is to supply correct solutions at agreed time and location. Weber International Logistics Centres with professional expertise ensures short lead time and timely deliveries at a cost efficient way. Located nearby shipping port with 3300 m² space and main articles related to Marine & Offshore on stock at all time, order today – dispatch tomorrow.

Weber Marine Floor Products

The Weber range of products are pumpable, reducing the time needed for screeding, thus ensuring installation of primary deck covering up to 300 m^2/hr that is walkable after one to three hours. Floor covering can be laid after just one to three days. Weber supplies functional and durable floors specified for ships requiring primary deck coverings, and more.

weberfloor 4660N Marine Elastic

A cement based pumpable, fibre reinforced levelling material for primarily steel, galvanized steel and aluminium decks. Floor 4660N is designed to be used in marine applications in light traffic areas and finished with a floor covering such as PVC, vinyl, linoleum, ceramic tiles, carpets etc. It can be used as either a bonding or floating screed and as an underlayment screed for use on steel, galvanized steel or aluminium. It can also be applied on existing concrete substrates for ship repair purposes.

weberfloor 4665N Marine Fire

A cement based, pumpable levelling material for installations requiring fire insulating constructions with non-combustible materials according to IMO Res. A.754(18). Floor 4665N is designed to be used for application on mineral wool in A-60 approved flooring systems.

weberfloor 4670N Marine Base

A rapid drying mortar for use on steel, galvanized steel and aluminium decks, concrete and ceramic tiles. Floor 4670N is designed for use in living quarters, wet rooms and other light traffic areas with special requirements for quick surface strength for early application of a floor covering.

weberfloor 4675 Marine Flow Rapid

A rapid drying, cement-based, pumpable self-levelling material with high wearing resistance for use as a subfloor for epoxy-, polyurethane- and acrylic based resins or industrial stone and ceramics, as well as vinyl and carpet. weberfloor 4675 can be applied in layer thicknesses from 2 to 30 mm, and is highly suitable when there are demands for short refurbishment times as well as large levelling needs. Weberfloor 4675 is especially suitable for application on top of existing concrete/cement-based, stone and ceramic floors, and meets all fire technical requirements as an underlayment for floor covering onboard passenger/merchant vessels and offshore installations according to IMO Res. A.687 (16).

weberfloor 4680N Marine Light

A lightweight polymer modified cement based fine smoothing compound for use as a levelling material on steel, galvanized steel and aluminium decks. Floor 4680N is designed to be used in marine applications in light traffic areas and finished with a floor covering such as PVC, vinyl, linoleum, ceramic tiles, carpets etc. It is used as a bonding screed and as an underlayment screed for use on steel, galvanized steel or aluminium decks.

weberfloor 4685N Marine Ultra Light

A lightweight, polymer modified cement-based levelling and fine smoothing compound for steel-, galvanized steel and aluminum decks in layer thicknesses from 0 to 30 mm. Floor 4685N is designed to be used in marine applications in light traffic areas and finished with a floor covering such as PVC, vinyl, linoleum, ceramic tiles, carpets etc. For hand application only.

weberfloor 4686N Marine Extra Light

A lightweight, polymer modified cement-based levelling and fine smoothing compound for steel-, galvanized steel- and aluminum decks in layer thicknesses from 0 to 30 mm. Floor 4686N is designed to be used in marine applications in light traffic areas and finished with a floor covering such as PVC, vinyl, linoleum, ceramic tiles, carpets etc. For hand application or applied using weberfloor mixing pump.

weberfloor 4690N Marine Combi

A dust reduced (low dust), non-sag, smoothing compound with paste consistency for use as a fine smoothing and slope building material on steel, galvanised steel and aluminium decks. Floor 4690N is designed to be used in marine applications in light traffic areas with floor covering deck finishes such as PVC, vinyl, linoleum, ceramic tiles, carpets etc. It is used as a combination material for the building of slopes, coves and smaller ramps, for patching and filling holes, and joint filling as well as fine smoothing. It can also be applied on existing concrete substrates for ship repair purposes.

weberfloor 4716 Primer

A styrene acrylate dispersion which is diluted with clean water and Weber's screed products. Floor 4716 is designed for priming (pre-treating) substrates prior to application of Weber Marine Floor Products..

Weber Resin Coating Products

Weber has developed a range of high-quality resin coating products with excellent covering properties for interior decks on marine and offshore installations. The Weber Marine resin coatings have all well balanced properties and may be used all-purpose, reducing stockage and suitable for a wide range of application possibilities.

weberfloor 4760N Epoxy Primer

A solvent-free moisture tolerant prime coat for screed, concrete and steel. It humidifies wet damp surfaces, blocks water and leads to excellent adhesion.

weberfloor 4761N Epoxy Coating

An all-purpose, solvent-free, pigmented epoxy resin coating and top coat for hard-wearing coatings.

weberfloor 4762N Epoxy Coating

A high quality, solvent-free, resin top coat that gives a transparent glossy surface.

weberfloor 4763N Epoxy Matt Sealer

A water-dilutable epoxy resin emulsion sealer with low emission that gives a silk-matt surface.

weberfloor 4764N Water-based Primer

A rapid-setting, solvent-free epoxy resin emulsion for prime coats under water vapour permeable coatings and sealers.

weberfloor 4765N Epoxy Paint

A solvent-free water-emulsified and water vapour permeable, pigmented epoxy resin sealer for semi-gloss surfaces.

weberfloor 4769N Epoxy Mortar Resin

A low-viscosity epoxy resin for decorative and industrial mortar coatings with coloured and natural sand.

Weber Marine Primary Deck Covering

Weber Marine Primary Deck Covering features flexible, durable pumped screed systems for steel decking with a low constructional height. The fresh surface can be smoothed gently with a spatula to give a perfectly smooth surface.

Composed of the following:

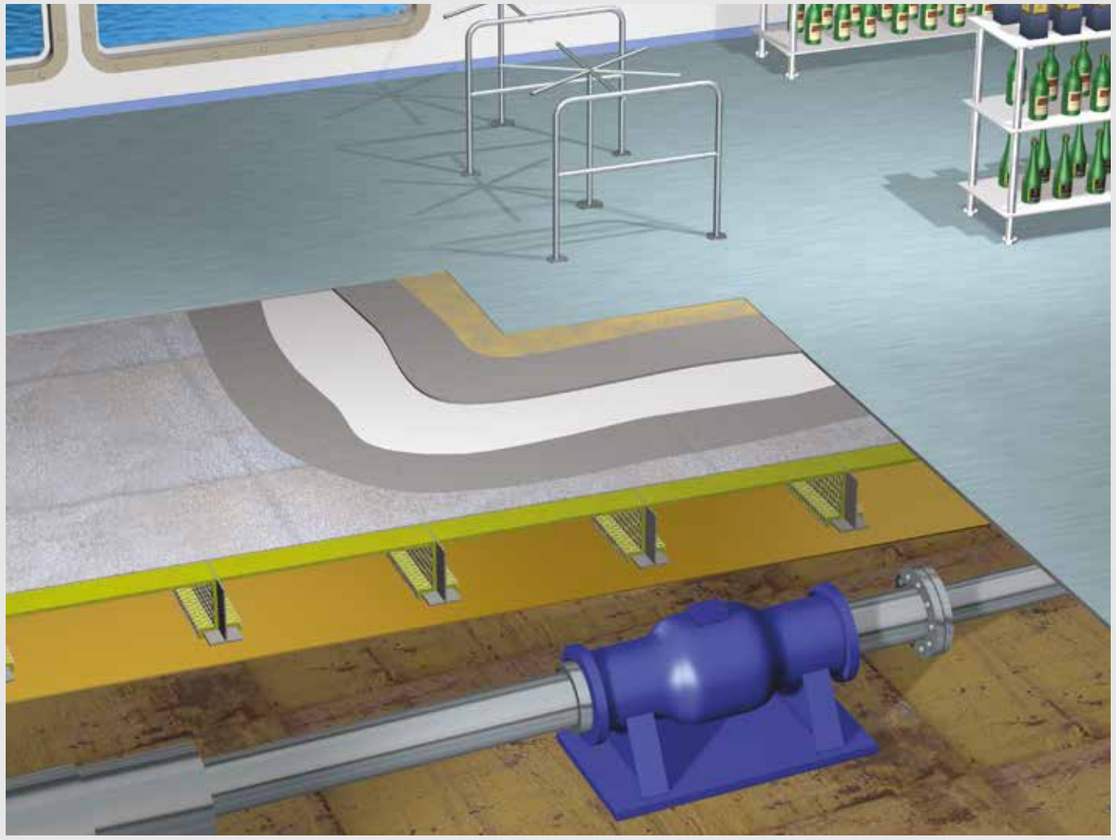
1. layer: weberfloor 4716 Primer (Marine Based)

2. layer: Weber Marine Deck Covering (cement based levelling compound)
   - weberfloor 4660N Marine Elastic
   - weberfloor 4670N Marine Base
   - weberfloor 4680N Marine Light
   - weberfloor 4685N Marine Ultra Light
   - weberfloor 4686N Marine Extra Light
   - weberfloor 4690N Marine Combi

Floors for marine applications are subject to extreme stresses, such as knocks, vibrations and tremors, torsions and shrinkage where failure to adhere are common industry problems. By installing a Weber Marine Floor you avoid these challenges. The decisive benefits of the Weber range of marine solutions are the efficient properties of the solutions – speed of application and access.

Weber Marine Light dB Floor

Weber Marine Light dB Floor is a flexible, durable pumped screed system for steel decks, with low constructional height and structure borne sound insulation.



Composed of the following:

1. layer: 1,5 mm Visco-elastic layer
(ACM, DG U-1 or DG U-1 Green from Swedac)

2. layer: 10 - 15 mm weberfloor 4660N Marine Elastic
(cement based, fibre-reinforced levelling compound with nominal density of 1,7 kg/m²/mm)

Weber Marine A-60 Floor

Weber Marine A-60 Floor is DNV A-60 approved and designed for ships and oil platforms requiring fire insulating constructions where the material must be non-combustible according to IMO rules. Weber supplies functional and durable floors specified for ships requiring fire insulating constructions with non-combustible materials.

Composed of the following:

1. layer: 50 mm non-combustible mineral wool
(according to certificate)

2. layer: Interglass woven glass fabric with weight 100-300 g/m², or equivalent non-combustible product

3. layer: Steel reinforcement net Ø 5mm, grid 150 x 150mm

4. layer: 25mm weberfloor 4665N Marine Fire
(cement based levelling compound with nominal density of 1,7 kg/m²/mm)

Floors for marine applications are subject to extreme stresses, such as knocks, vibrations and tremors, torsions and shrinkage where failure to adhere are common industry problems. By installing a Weber Marine Floor you avoid these challenges. The decisive benefits of the Weber range of marine solutions are the efficient properties of the solutions – speed of application and access.

Weber Marine dB Floor

Weber Marine dB Floor is designed for ships and offshore installations requiring sound-insulation, effective against airborne, impact and structure-borne sound. Weber supplies functional and durable floors specified for ships requiring sound insulating constructions.

Composed of the following:

1. layer: 1,5 mm Visco-elastic layer
(ACM, DG U-1 or DG U-1 Green from Swedac)

2. layer: 15 mm weberfloor 4660N Marine Elastic (cement based, fibre reinforced levelling compound with nominal density of 1,7 kg/m²/mm)

3. layer: 50 mm non-combustible mineral wool
(according to certificate)

4. layer: 1,2 mm geo textile, GeoPro SI 401 from GeoTippTex, Hungary or equivalent with nominal density 135 g/m²

5. layer: Steel reinforcement net Ø 5 mm, grid 150 x 150 mm

6. layer: 25 mm weberfloor 4665N Marine Fire (cement based levelling compound with nominal density of 1,7 kg/m²/mm)

Weber Marine dB A-60 Floor

Weber Marine dB A-60 Floor is designed for ships and offshore installations requiring fire-insulated constructions and sound-insulation. Weber supplies functional and durable floors specified for ships requiring fire insulating constructions with non-combustible materials and sound insulating constructions.

Composed of the following:

1. layer: 1,5 mm Visco-elastic layer
(ACM or DG U-1 Green from Swedac)

2. layer: 15 mm weberfloor 4660N Marine Elastic (cement based, fibre reinforced levelling compound with nominal density of 1,7 kg/m²/mm)

3. layer: 50 mm non-combustible mineral wool
(according to certificate)

4. layer: Interglass woven glass fabric with weight 100-300 g/m², or equivalent non-combustible product

5. layer: Steel reinforcement net Ø 5 mm, grid 150 x 150 mm

6. layer: 25 mm weberfloor 4665N Marine Fire (cement based levelling compound with nominal density of 1,7 kg/m²/mm)

Floors for marine applications are subject to extreme stresses, such as knocks, vibrations and tremors, torsions and shrinkage where failure to adhere are common industry problems. By installing a Weber Marine Floor you avoid these challenges. The decisive benefits of the Weber range of marine solutions are the efficient properties of the solutions – speed of application and access.

Weber Marine Waterproofing

Weber Marine Waterproofing products are designed to protect various parts of the construction from water and to overcome issues caused by moisture. These modern solutions are flexible in use and therefore ideal for ships and offshore installations requiring waterproofing. For marine- and offshore applications, Weber has developed a complete wet area system that is DNV approved.

webertec 822 System – consists of:

1. layer: weber.prim 801 Primer

2. layer: weber.tec 822 Membrane

3. layer: weber.set 858 Tile Adhesive

4. layer: weber.color 877 Grout Mortar

weberxerm 847 System – consists of:

1. layer: weberfloor 4760N Epoxy Primer

2. layer: weber.xerm 847 Epoxy Membrane

3. layer: weber.color 877 Grout Mortar

Weber Marine Thermofloor

Weber Marine Thermofloor is designed for improved comfort in living quarters. Weber has long and proven experience in supply of low profile heating floor.
The floor is easy installed on all types of marine accommodations as well as for refits/ refurbishments. The range of heating products are designed to solve problems with snow and ice, humidity, condensation and freezing. The products satisfy the Regulations for Electrical Installations in Norway and Scandinavia, which are among the world´s strictest.

Under vinyl strip floor, directly on steel plate

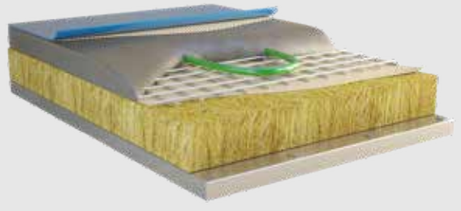
If using welded vinyl strip the membrane can be omitted, as the covering is vapour-proof. To avoid heat stains on vinyl and spread heat more evenly, we recommend min. 15 mm cover over cable. Alternatively, use 8W/m cable if a thinner floor is required (min. 10 mm cover over cable).

Under vinyl strip floor

If using welded vinyl strip the membrane can be omitted, as the covering is vapour-proof. To avoid heat stains on vinyl and spread heat more evenly, We recommend min. 15 mm cover over cable. Alternatively, use 8W/m cable if a thinner floor is required (min. 10 mm cover over cable).

Under ceramic tile floor

If applying tiles on a wet area floor (bathroom, galley or similar) you are required to apply: a certified vapour-proof membrane to stop moisture penetration. Weber Marine Waterproofing have the required products in the portfolio. Apply the membrane on top of the solid screed, we recommend min. 5 mm cover over cable.



Floating on mineral wool insulated steel plate

The installation principles are the same, but the substrate need to be sealed due to the self levelling screed being applied. The heating cable is fixed (using plastic strips) to the reinforcement net, Ø 5 mm, grid 150 x 150 mm

Energy saving

Floor heating gives even heat distribution, accordingly the room temperature can be lowered by 2°C as opposed to rooms with other heating sources.

Recommended application areas

The floor heating system is certified for use in accommodation areas onboard ships and offshore installations. The screed can be used to subfloors for the most floor covers in layers up to 30 mm and is recommended to plane corrosion protected steel floors.

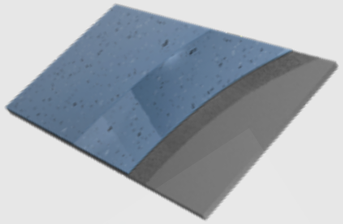
Advantages in use

- Heating cables normally last the lifetime of the installation
- Free of electromagnetic radiation
- Zero maintenance costs
- Automatic temperature regulation
- «Invisible» heat source, no conflict when furnishing
- No dust burning
- The weberfloor 4660N Marine Elastic is mixed in pure water and is pumpable

Heating cables and installation performed by a third party (authorized installer).

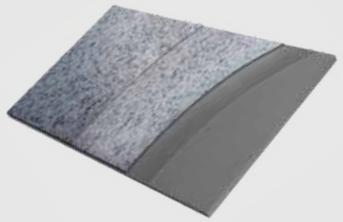
Weber Marine Resin Coating Systems

Weber Marine Resin Coating systems are designed to bear up to high mechanical load and defy chemical contamination. Our systems are engineered using top of the line chemical technology to fullfill industry needs: whether high wear resistance against loads and chemicals, slip-resistance, smooth seamless and decorative surfaces. Our coatings are available in a range of different standard colours.



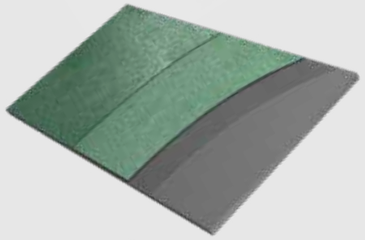
Weber Marine Flake Coating

Base coat: weberfloor 4760N Epoxy Primer
Coating: weberfloor 4761N Epoxy Coating
Scattering: weberfloor Colour flakes
Sealer: weberfloor 4763N Epoxy Matt sealer



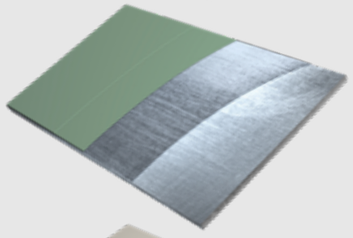
Weber Marine Coloured Sand Coating

Base coat: weberfloor 4760N Epoxy Primer
Primary layer: weberfloor 4761N Epoxy Coating
Scattering: weberfloor Coloured Quartz sand 0,3/0,8 mm
Top sealer: weberfloor 4762N Epoxy Clear Top Coat



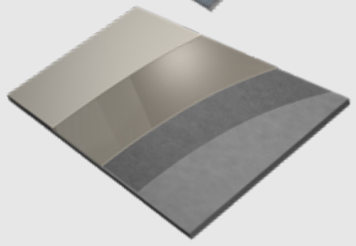
Weber Marine Uni Sand Coating

Base coat: weberfloor 4760N Epoxy Primer
Primary layer: weberfloor 4761N Epoxy Coating
Scattering: weberfloor Natural Quartz sand 0,3/0,8 mm
Top sealer: weberfloor 4762N Epoxy Clear Top Coat



Weber Marine Paint Coating

Base coat: weberfloor 4764N Water-based Primer
Sealer: weberfloor 4765N Epoxy Paint twice



Weber Marine Universal Coating

Base coat: weberfloor 4760N Epoxy Primer
Coating: weberfloor 4761N Epoxy Coating
Optional sealer: weberfloor 4763N Epoxy Matt Sealer

Recommended application areas

For use on interior decks onboard ships and offshore installations. The Weber Marine Resin Coatings provide suitable, hard-wearing and decorative floor finishes for accommodation quarters, mess decks, passage ways, wet rooms, galleys and heavy-duty high impact areas.

Advantages in use

- Easy to install and convenient to work with
- Good free-flow properties
- Solvent-free
- All-purpose and reliable
- Wear-resistant and easy to clean
- Excellent adhesion
- Suitable for decorative coatings
- Coloured, glossy or matt surfaces

Fireshield® Marine

Fire Retardant Poplar Plywood

- Fireshield Marine is made for ships' flooring and furniture
- Each veneer is treated for fire resistancy
- HPL Ready
- Wheelmark-certified by IMO FTPC 2010 Part 5
- Approved for use as low flame-spread material
- Low weight: from 440 kg/m^3
- Floor: 2400 mm x 600 mm, tongue and groove on 4 sides for easy installment
- Furniture: 2440 mm x 1220 mm, clean-cut edges
- PEFC certified

Floor

Thickness mm, TG	Quality, glue	Length mm	Width mm	Weight kg/m3	Pcs/bundle
21	III/III, AW100	2400	600	470	60
24	III/III, AW100	2400	600	470	60

During manufacturing each individual layer of core veneer is treated for fire resistance prior to the final assembly of the plywood panel, which provides flame-retardant properties throughout the board. The flame-retardant properties of Fireshield Marine are not compromised when the panel is machined or sanded.

Furniture

Thickness mm, TG	Quality, glue	Length mm	Width mm	Weight kg/m3	Pcs/bundle
3	III/III, AW100	2440	1220	440	200
6	III/III, AW100	2440	1220	445	100
8	III/III, AW100	2440	1220	450	75
10	III/III, AW100	2440	1220	450	60
12	III/III, AW100	2440	1220	455	50
15	III/III, AW100	2440	1220	460	40
18	III/III, AW100	2440	1220	460	33
20	III/III, AW100	2440	1220	465	30
22	III/III, AW100	2440	1220	470	27
25	III/III, AW100	2440	1220	470	24
28	III/III, AW100	2440	1220	480	21
30	III/III, AW100	2440	1220	480	20

Duraply Marine

Poplar plywood impregnated against biological attacks

- Duraply Marine is a lining board with hygienic certificate
- Made from lightweight poplar plywood
- Duraply Marine is resistant to rot, fungi and insect attacks
- Every single core veneer is impregnated separately
- Tongue and groove on 2 or 4 sides for easy installment
- 10-15 mm x 2400 mm x 600/1200 mm
- FSC & PEFC certified
- Available with foodsafe PVC film or high pressure laminate surfaces

Wall lining board with hygienic PVC

Thickness mm, TG	Quality, glue	Length mm	Width mm	Weight kg/m3	Pcs/ bundle
10, TG2	III/III, AW100	2400	600	490	120
10, TG2	III/III, AW100	2400	1200	490	60
12, TG2	III/III, AW100	2400	600	490	100
12, TG2	III/III, AW100	2400	1200	490	50
15, TG2	III/III, AW100	2400	600	490	80
15, TG2	III/III, AW100	2400	1200	490	40

Ceiling/floor lining board with hygienic PVC

Thickness mm, TG	Quality, glue	Length mm	Width mm	Weight kg/m3	Pcs/ bundle
10, TG4	III/III, AW100	2400	600	490	120
10, TG4	III/III, AW100	2400	1200	490	60
12, TG4	III/III, AW100	2400	600	490	100
12, TG4	III/III, AW100	2400	1200	490	50
15, TG4	III/III, AW100	2400	600	490	80
15, TG4	III/III, AW100	2400	1200	490	40

High competence and knowledge with our cooperation partners

Weber Marine Floor proposes a selection of products and solutions, which in collaboration with selected cooperation partners provides optimal results and solutions.

Quality Assured application by Accredited Weber Marine Floor Contractors

When proposing high quality products and solutions, it is always one subject which is very important in addition to the product itself – the installation. Weber Marine floors shall always be supplied in the exact quality as agreed and in terms of function, strength, durability, surface, flexibility and so on. This is the reason why our Marine Floor Products, Systems and Concepts are applied by Accredited Weber Marine Floor Contractors (AWMFC).

Weber teach and train our contractors to perform an excellent quality to the clients' satisfaction. The contractors are regularly re-certified by Weber to receive the latest information concerning developments of products and concepts. For the end-user this means quality assured installation of Weber Marine Floors that is performed according to the Weber installation instructions.

All stages in the Marine Flooring application are crucial for the final result. Therefore, we have introduced a quality assurance (QA) procedure to be followed by Weber and our Accredited Weber Marine Floor Contractors.

The control consists of:

- Quality Control of raw materials
- Production control - ISO 9001/14001
- Quality Control of the finished product
- Product certificate
- AWMFC consignment control
- AWMFC Quality Control
- Quality Assurance of the finished floor

Certified contractors by Weber are Accredited Weber Marine Floor Contractors (AWMFC) and perform all types of marine floor installations. Our contractors are:

- Experienced, skilled and educated
- Trained and approved by Weber
- Theoretical and practical trained
- Independent local companies in close cooperation with Weber

Training can be performed either in Weber's own premises or at a feasible location selected by the contractor and can be arranged upon request. For new Weber Marine Floor Contractors Weber will, if requested, assist with technical support during the first installations of marine floors.

ACCREDITED
MARINE FLOOR CONTRACTOR

weber SAINT-GOBAIN

ACCREDITED
OFFSHORE CONTRACTOR

weber SAINT-GOBAIN

Weber Marine Light Weight Solutions

Our Weber Marine Light Weight Solutions will enable **lighter** and more efficient constructions, reduce **energy** consumption, increase the security and fire **safety** and improve the **comfort** – a sound investment for the future.

Light-weight high performance quality flooring systems

are easy to apply, while offering high levels of noise reduction in combination with our special light weight glass wool insulation. Materials that are lighter than traditional insulating materials, while still possessing the same fire-resistant, thermal and acoustic performances.

Some light weight solutions in Weber Marine Floor Portfolio:

weberfloor 4680N Marine Light, 4685N Marine Ultra Light and 4686N Marine Extra Light

Floor 4680N, 4685N and 4686N meets weight demand for passenger ferries, cruise vessels and offshore installations. Compared with general levelling you will have weight saving of 45-68%.

weberfloor 4660N Marine Elastic + LWA

Weber is a world leading manufacturer of Expanded Clay Aggregates (LWA) under the brand name Leca®. Combined with the high quality performance product Floor 4660N Marine Elastic the result is light weight leveling. Compared with mortar (levelling for thicker layers) you will have weight saving of approximately 50%.

Weber Marine Floating Floors - with Isover ULTIMATE

Weber recently launched Isover ULTIMATE as an alternative insulation in our Weber Marine Floating Floors:

- Weber Marine A-60 Floor
- Weber Marine dB Floor
- Weber Marine dB A-60 Floor

Isover ULTIMATE, the next generation mineral wool and new high performance insulation material, combines the advantages of conventional insulation used for fire, thermal and acoustic applications and at the same time allowing substantial weight savings. Weight saving, compared to general mineral wool with same performance: 2,5 kg/m^2 (at least 35%).

Weber is the only company today(!) that have floating floor solutions with Isover ULTIMATE tested, certified and part of flooring system.

Swedac noise control solutions

The SWEDAC Deck covering System is a method of noise control in ships, which acts by preventing vibration of the steel structure. The energy thus absorbed is therefore not available to be radiated as sound in the treated area or in other parts of the ship. Over 200.000 square meters of Swedac Deck covering systems have been installed over the past 15 years.

The viscoelastic layer forms the filling of a sandwich construction between the steel of the deck and a constraining layer of latex modified concrete or steel. As the deck flexes under vibration transmitted to it from engines or propellers, the viscoelastic layer is placed in shear. The special property of a viscoelastic material is that it do not recover at the same rate as which it is distorted, and energy from the vibration is therefore absorbed, leaving less to be radiated as noise.

Weber has a long and proven cooperation with Swedac and together we provide outstanding high quality solutions for sound reduction and less noise – improved comfort for passengers and crew.

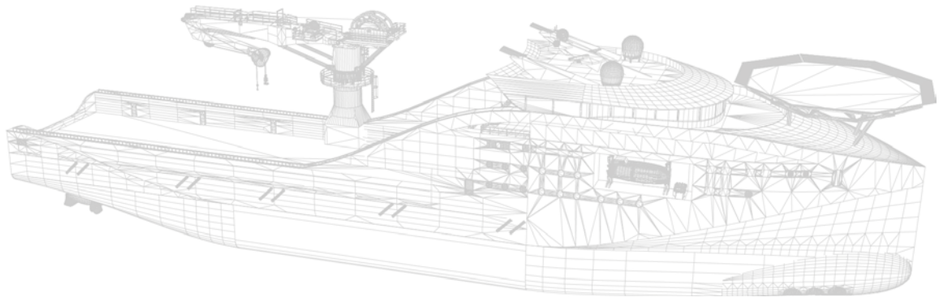
swedac

Saint-Gobain Marine Applications

Weber is a member of Saint-Gobain Marine Applications, created in 2004. Saint-Gobain Marine Applications has brought together no less than eight renowned specialists in developing and producing solutions and products in the field of glazing, insulation, flooring, interior finishing, climate control and more.

Right from the initial stages of a project, Saint-Gobain Marine Applications provides architects, designers, owners and administrative authorities with a choice of innovative products and services for the construction or renovation of ships and offshore constructions. Our products comply with the environmental, energy efficiency, weight saving, safety, aesthetic and comfort requirements for ships that are omnipresent in our customers' specifications.

This new approach will enable lighter and more efficient ships to be constructed, reduce energy consumption, increase security and fire safety and improve the comfort of passengers and crew – with integrated solutions that will be a sound investment for the future.



LESS Weight LESS energy MORE safety MORE comfort

SAINT-GOBAIN MARINE APPLICATIONS

Global Approach – Local Presence

Weber is present in 48 countries around the world with 10 000 employees and 180 production facilities. A network of flexible and local presence makes our solutions and services more accessible.

The Marine & Offshore industry is a global industry where international owners are required to develop installations and vessels that fulfill a certain class set by international certification bodies and authorities.

The industry has a strong driver on specifications that are required to fulfill the class requirements. During a project, key functions and various project stages take place at several geographical locations.

Weber global network and relations combined with local market knowledge, presence and support give us the ability to follow projects across borders. This is our Global Approach – with Local Presence.

Product guide

PRODUCT	FIELD OF APPLICATION	SUBSTRATE	PROPERTIES	CONSUMPTION
weberfloor 4716 Primer	Pre-treatment of substrates prior to application of Weber Marine Floors	Steel, concrete, ceramics, stone, wooden substrates, PVC, linoleum	Improves adhesion, prevents air-bubbles and dewatering of screed before hardening.	Steel (5:1) 0,20 l/m² Concrete (1:3) 0,10 l/m² Wooden floors/linoleum (5:1) 0,20 l/m² 4710N Epoxy Primer (5:1) 0,20 l/m² PVC (1:1) 0,15 l/m² Ceramics (1:1) + powder scattering 0,15 l/m²
weberfloor 4710N Epoxy Primer	System primer and binder for Weber Marine Floors on special substrates	Galvanised steel, aluminium	Two-component, solvent-free epoxy resin primer. Has very low viscosity and improves adhesion. Applied in one coat.	Galvanised steel 0,20-0,30 kg/m² + sand scattering Aluminium 0,20-0,30 kg/m²+ sand scattering
weberfloor 4660N Marine Elastic	Levelling of decks in light traffic areas for ships and offshore installations. For hand application or applied using weberfloor mixing pump.	Steel, galvanised steel, aluminium, concrete, ceramics, stone, wooden substrates	Cement-based, fibre-reinforced, pumpable levelling material. It quickly attains a high surface strength. Layer thickness 2-30 mm, walkable after 1-3 hours and final covering after 1-3 days.	1,7 kg/m²/mm
weberfloor 4665N Marine Fire	Levelling of floating floor constructions in light traffic areas for ships and offshore installations. For hand application or applied using weberfloor mixing pump.	Mineral wool	Cement-based, pumpable levelling material for floating floors. It quickly attains a high surface strength. Layer thickness 25-50 mm, walkable after 6-12 hours and final covering after 1-3 days.	1,7 kg/m²/mm
weberfloor 4670N Marine Base	Levelling of decks in light traffic areas for ships and offshore installations. For hand application	Steel, galvanised steel, aluminium, concrete, ceramics	Rapid drying mortar for levelling and slope building in living quarters, wet areas and other light traffic areas. It quickly attains a high surface strength. Layer thickness 20-100 mm, walkable after 2-3 hours and final covering after 1 day.	1,8 kg/m²/mm
weberfloor 4675N MarineFlow Rapid	Refurbishment of old floor constructions in light traffic areas for ships and offshore installations. For hand application or applied using weberfloor mixing pump.	Old concrete, ceramics, stone, PVC	Cement-based, pumpable underlayment screed as levelling layer for resin coatings. It quickly attains a high surface strength. Layer thickness 4-15 mm, walkable after 1-2 hours and final covering after 1-3 days.	1,7 kg/m²/mm
weberfloor 4680N Marine Light	Lightweight levelling of decks in light traffic areas for ships and offshore installations. For hand application or applied using weberfloor mixing pump.	Steel, galvanised steel, aluminium, concrete, ceramics, stone	Lightweight, polymer modified cement-based fine smoothing compound for use as a levelling material. Layer thickness 0-20 mm, walkable after 2-4 hours and final covering after 1-3 days.	0,9 kg/m²/mm
weberfloor 4685N	Lightweight levelling of decks in light traffic areas for ships and offshore installations. For hand application only.	Steel, galvanised steel, aluminium, concrete/ cement-based, stone and ceramics and plywood boards.	Lightweight, polymer modified cement-based levelling and fine smoothing compound for steel-, galvanized steel- and aluminum decks. Layer thicknesses 0-30 mm, walkable after 3-5 hours and final covering after 1-3 days.	0,55 kg/m²/mm
weberfloor 4686N	Lightweight levelling of decks in light traffic areas for ships and offshore installations. For hand application or applied using weberfloor mixing pump.	Steel, galvanised steel, aluminium, concrete/ cement-based, stone and ceramics and plywood boards.	Lightweight, polymer modified cement-based levelling and fine smoothing compound for steel-, galvanized steel- and aluminium decks. Layer thicknesses 0-30 mm, walkable after 3-5 hours and final covering after 1-3 days.	0,65 kg/m²/mm
weberfloor 4690N Marine Combi	Combination material for the forming of inclines and slopes, ramps, coves and for filling of recesses and holes, as well as fine smoothing in light traffic areas for ships and offshore installations. For hand application.	Steel, galvanized steel, aluminium, concrete, stone, ceramics, floor gypsum boards, wooden substrates	Rapid drying and fast setting cement-based compound for fine smoothing and slope building in living quarters, wet areas and other light traffic areas. Dust reduced. The consistency of the compound can be varied with the water addition. Layer thickness 0,5-50mm, walkable after 30-60 minutes and final covering after 2 hours.	1,7 kg/m²/mm
weber.prim 801	Pre-treatment of substrates prior to application of Weber Marine Floor Waterproofing Systems.	Concrete	Solvent free, alkali-resistant primer. Improves adhesion and stabilization of all dusting and porous mineral substrates prior to application of waterproofing system.	Concrete 0,2 l/m²
weber.tec 822	Seamless and jointless waterproofing of wet-duty rooms, where a high amount water tightness is required.	Concrete	Ready-to-use flexible, normal-setting liquid waterproofing membrane for wet-duty rooms. Curing time 10-15 hours.	1,6 kg/m²
weber.xerm 847	Highly flexible epoxy waterproofing membrane and tile adhesive for wet-duty rooms, where heavy duty water tightness is required.	Concrete	Flexible, solvent-free, two-component epoxy resin waterproofing membrane and tile adhesive (trowel grade), product is flexible for areas with slight tensions and vibrations. Curing time 24-48 hours.	2,4 kg/m²
weber.xerm 858	Multi use tile adhesive with an exeptional workability suitable for laying in the thin- and medium bed method of floor tiles.	Concrete	Flexible, highly polymer-modified, cement based thin- and medium bed tile adhesive resistant to water, weathering, heat and frost. Walkable after 24 hours.	2,2 kg/m²
weber.fug 877	Flexible grout mortar for joints between tiles in wet-duty areas where suitable coverings are floor tiles.	–	Flexible, highly polymer modified, cement based grout mortar resistant to water. For joint width 2-20mm. Walkable after 2 hours.	1,0 kg/m²
Swedac Visco Elastic ACM	Viscoelastic compound for vibrational dampening applied together with cement based screed.	Steel (when shop primer is applied)	Water-based compound for vibrational dampening of shop primed steel deck used together with cement based screed. Approved for A-60 constructions. Curing time 12-16 hours.	2,02 kg/m²/mm

PRODUCT	FIELD OF APPLICATION	SUBSTRATE	PROPERTIES	CONSUMPTION
Swedac Visco Elastic DG U-1	Viscoelastic compound that forms the filling of a sandwich construction between the deck and a concrete screed or steel sheet and thereby dramatically reduces noise levels generated by vibration of the structure.	Steel, aluminium, wood, stone, ceramics	Two-component polyurethane compound for vibrational dampening of all kinds of steel and aluminium constructions as well as wood, stone and ceramic tiles. Curing time 8-12 hours.	1,4 kg/m²/mm
Swedac Visco Elastic DG U-1 Green	Viscoelastic compound that forms the filling of a sandwich construction between the deck and a concrete screed or steel sheet and thereby dramatically reduces noise levels generated by vibration of the structure.	Steel, aluminium	Two-component polyurethane compound for vibrational dampening of all kinds of steel and aluminium constructions. Approved for A-60 constructions. Curing time 8-12 hours.	1,3 kg/m²/mm
weberfloor 4760N Epoxy Primer	System primer and binder for Weber Marine Resin Coatings	Steel, concrete, screeds	A solvent-free moisture tolerant prime coat for screed, concrete and steel. It humidifies wet damp surfaces, blocks water and leads to excellent adhesion.	Approx. 0,3 - 0,4 kg/m² Approved consumption rates may vary.
weberfloor 4761N Epoxy Coating	High-quality multi-purpose coating with a wide range of application possibilities for interior decks. The coating is very resistant to mechanical load and different chemicals. Available in different colours.	weberfloor 4760N	An all-purpose, solvent-free, pigmented epoxy resin coating and top coat for hard-wearing coatings.	Top coat: 0,55 - 0,9 kg/m² Thin coat: 0,8 - 1,5 kg/m² Standard coat: 1,3 - 1,5 kg/m² for each mm layer Approved consumption rates may vary.
weberfloor 4762N Clear Top Coat	Used as a transparent top sealer for decorative scattered coatings and decorative sand mortar coatings.	weberfloor 4761N or weberfloor 4769N	A high quality, solvent-free, resin top coat that gives a transparent glossy surface.	0,7 kg/m² for each application. Approved consumption rates may vary.
weberfloor 4763N Epoxy Matt Sealer	Used as a clear matt top coat for reactive resin coatings. Results in even semi-matt surface, adding an even nice appearance. "Mirror effects" of glossy coatings will be considerably reduced.	Any epoxy product	A water-dilutable epoxy resin emulsion sealer with low emission that gives a silk-matt surface.	0,12 - 0,18 kg/m² for each application. Approved consumption rates may vary.
weberfloor 4764N Water-based Primer	Used as base coat prior to the application of water vapour permeable coatings and sealers	Steel, concrete, screeds	A rapid-setting, solvent-free epoxy resin emulsion for prime coats under water vapour permeable coatings and sealers.	Approx. 0,12 - 0,2 kg/m² for each layer. Approved consumption rates may vary.
weberfloor 4765N Epoxy Paint	Used as paint coat prior to the application of water vapour permeable coatings and sealers. Available in different colours.	weberfloor 4764N or weberfloor 4760N	A solvent-free water-emulsified and water vapour permeable, pigmented epoxy resin sealer for semi-gloss surfaces.	Approx. 0,25 - 0,35 kg/m² for each layer. Approved consumption rates may vary.
weberfloor 4769N Epoxy Mortar Resin	An easy to apply mortar system especially suitable for decorative mortar coatings. Epoxy resin mortar mixed with quartz sand.	weberfloor 4760 N	A low-viscosity epoxy resin for decorative and industrial mortar coatings with coloured and natural sand.	0,2 kg/m² for each mm layer Approved consumption rates may vary.

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