

Weber Marine Floors



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 metres applied worldwide, the Weber floor range gives you high performance floors, for any application, quickly and cost-effectively.

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

Self-levelling, 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.

Weber.floor delivers high quality, quick curing solutions

With the advent of pumped, self-levelling floor screeds, the world of commercial and industrial flooring was changed forever. 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.

Logistics, application

Weber.floor 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 bags, bulk or pump trucks.
- pumpable, minimising down time and enhancing ergonomics.
- rapid installation, fast curing.
- rapid drying 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 300-500 m² per hour can be covered.
- applied only by Accredited Weber Marine 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 compounds are design approved by Det Norske Veritas (DNV)

- MED-B Certificates:
 - DNV
 - US Coast Guard
- Certificates also available:
 - ABS
 - NK
 - RMRS
 - TC
- Fire resistance:
 - SINTEF Fire laboratory, Norway.
- Sound properties:
 - Ødegaard Danneskiold-Samsøe, Denmark.

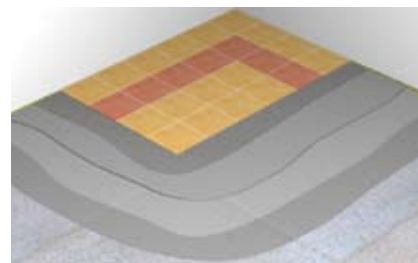


Weber Marine Floor Systems

Weber Marine Flooring systems are built layer by layer to provide the optimum solution for each individual client's requirement. Pumpable self-levelling floor screeds allow you to achieve the flattest, smoothest and thinnest floors possible, performing to exact standards even in highly demanding environments.

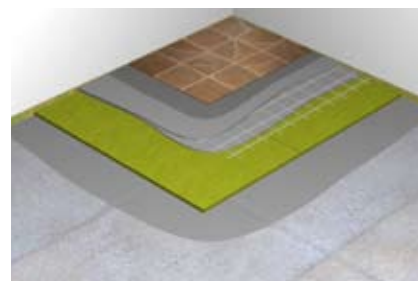
Weber Marine Primary Deck Covering

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 toothed spatula to give a perfectly smooth surface.



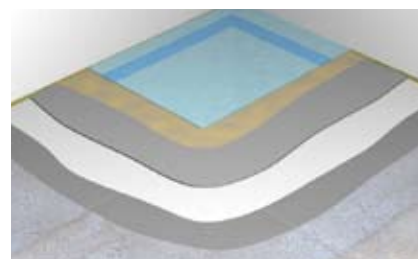
Weber Marine A-60 Floor

Weber Marine A-60 Floor is DNV A-60 approved and recommended for ships and oil platforms requiring fire insulating constructions where the material must be non-combustible according to IMO rules.



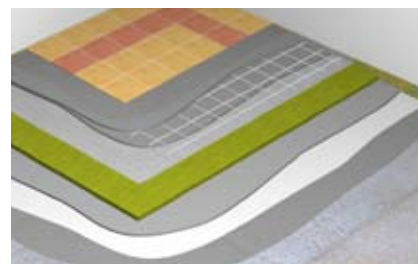
Weber Marine Light dB Floor

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



Weber Marine dB Floor

Weber Marine dB Floor is recommended for ships and offshore installations requiring sound-insulation, effective against airborne, impact and structure-borne sound.

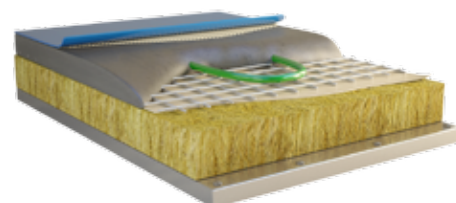


Weber Marine dB A-60 Floor

Weber Marine dB A-60 Floor is recommended for ships and offshore installations requiring fire-insulated constructions and sound-insulation.

Weber Marine Thermofloor

Weber Marine Thermofloor is designed for improved comfort in living quarters. Weber has, together with cooperation partner Ogland System, 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 rehabilitations.



Weber Marine Waterproofing

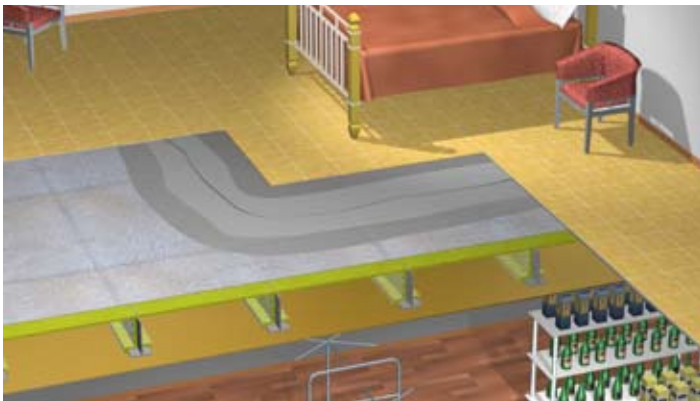
Weber waterproofing has products and systems for various construction chemical application areas. These modern-construction chemical products and systems are flexible in use and therefore ideal for ships and offshore installations requiring waterproofing. The flexibility is ensured by the work carried out by highly qualified specialists in our research and development department. For marine applications, Weber has developed a complete wet area system that is DNV approved.

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 toothed spatula to give a perfectly smooth surface.

The Weber range of products are pumpable, reducing the time needed for screeding, thus ensuring installation of primary deck covering at 300m²/hr to 500m²/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. 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.



Composed of the following:

1. layer: Weber.floor 4716 Primer (Marine Based)
2. layer: Weber Marine Deck Covering (cement based levelling compound)

Weber.floor 4660 Marine Elastic

Weber.Floor 4660 Marine Elastic is a cement based pumpable, fibre reinforced levelling material for primarily steel, galvanized steel and aluminium decks. Floor 4660 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.



Weber.floor 4665 Marine Fire

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

Weber.floor 4670 Marine Base

Weber.floor 4670 Marine Base is a rapid drying mortar for use on steel, galvanized steel and aluminium decks, concrete and ceramic tiles. Floor 4670 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.



Weber.floor 4680 Marine Light

Weber.floor 4680 Marine Light is a lightweight polymer modified cement based fine smoothing compound for use as a levelling material on steel, galvanized steel and aluminium decks. Floor 4680 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.

Weber.floor 4716 Primer

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



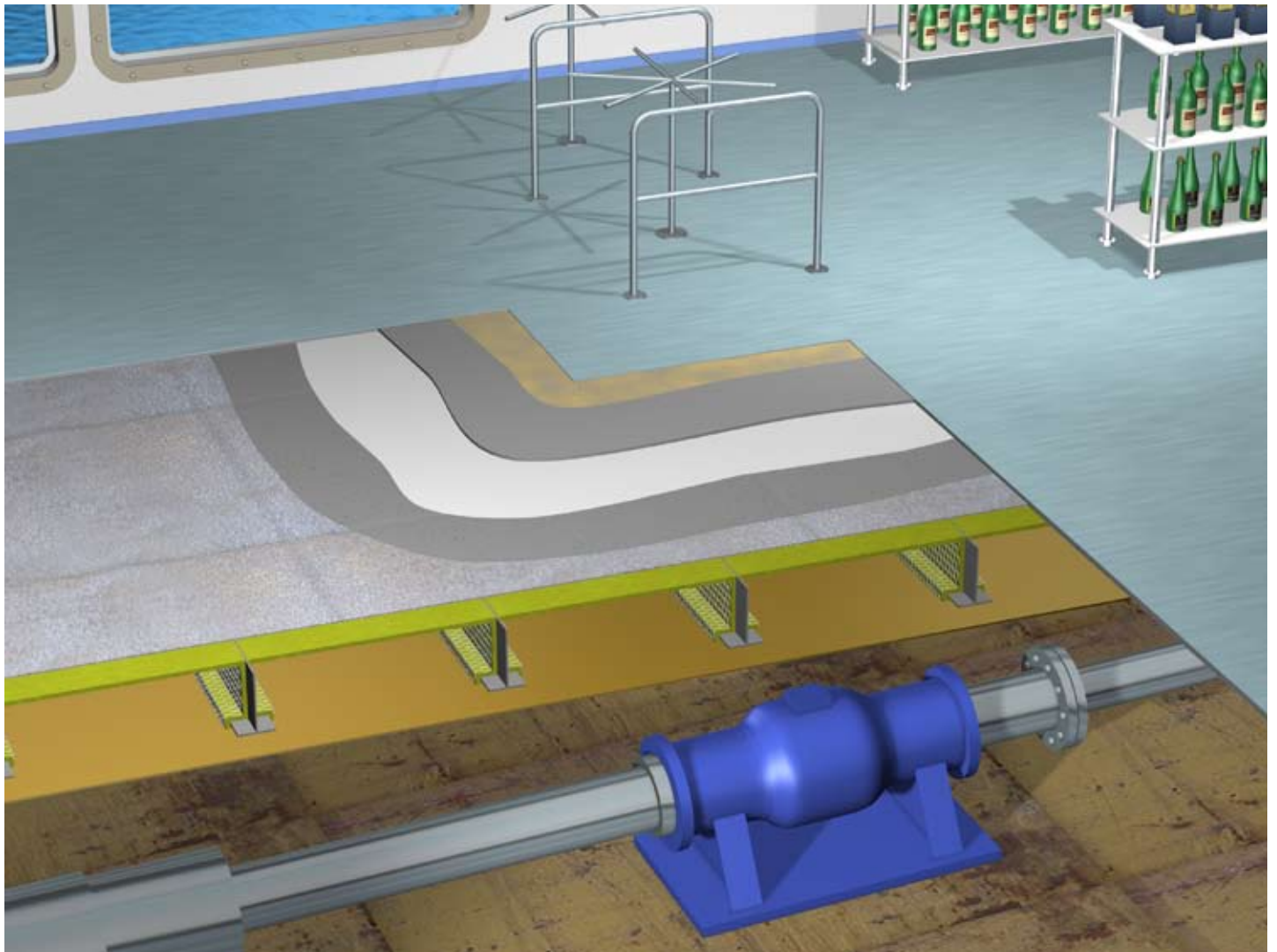
Weber.floor 4710N Epoxy Primer

Weber.floor 4710N Epoxy Primer is a two component, solvent free primer for use with Weber's screed products. Floor 4710N is designed for priming (pre-treating) of aluminium and galvanized steel substrates prior to application of Weber Marine Floor Products.

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. 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.



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 Weber.floor 4660 Marine Elastic
(cement based, fibre reinforced levelling compound with nominal density of 1,7 kg/m²/mm)

Weber Marine A-6o Floor

Weber Marine A-6o Floor is DNV A-6o 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. 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.



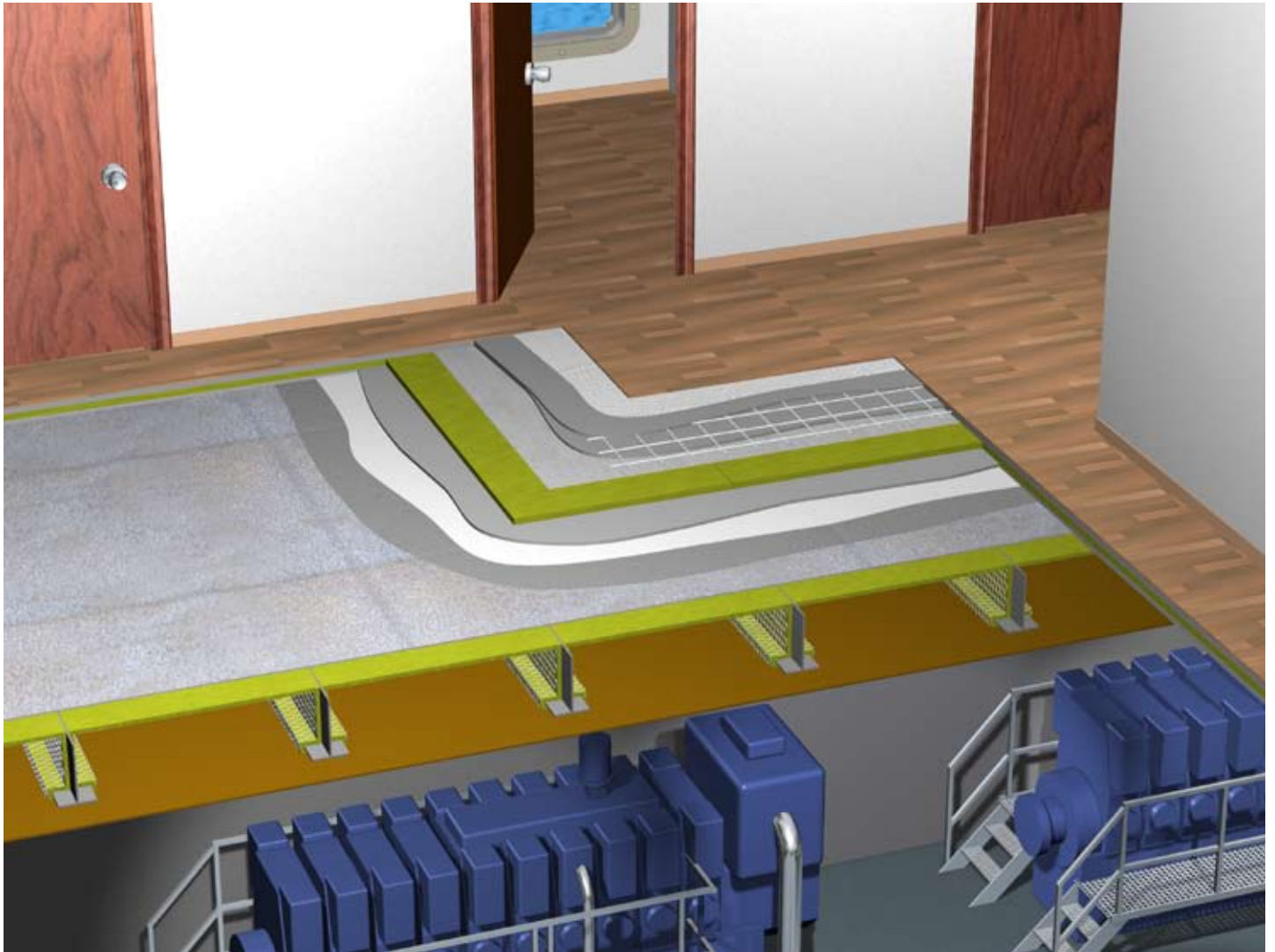
Composed of the following:

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 (K-131)
- 6 4. layer: 25mm Weber.floor 4665 Marine Fire (cement based levelling compound with nominal density of 1,7 kg/m³/mm)

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. 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.



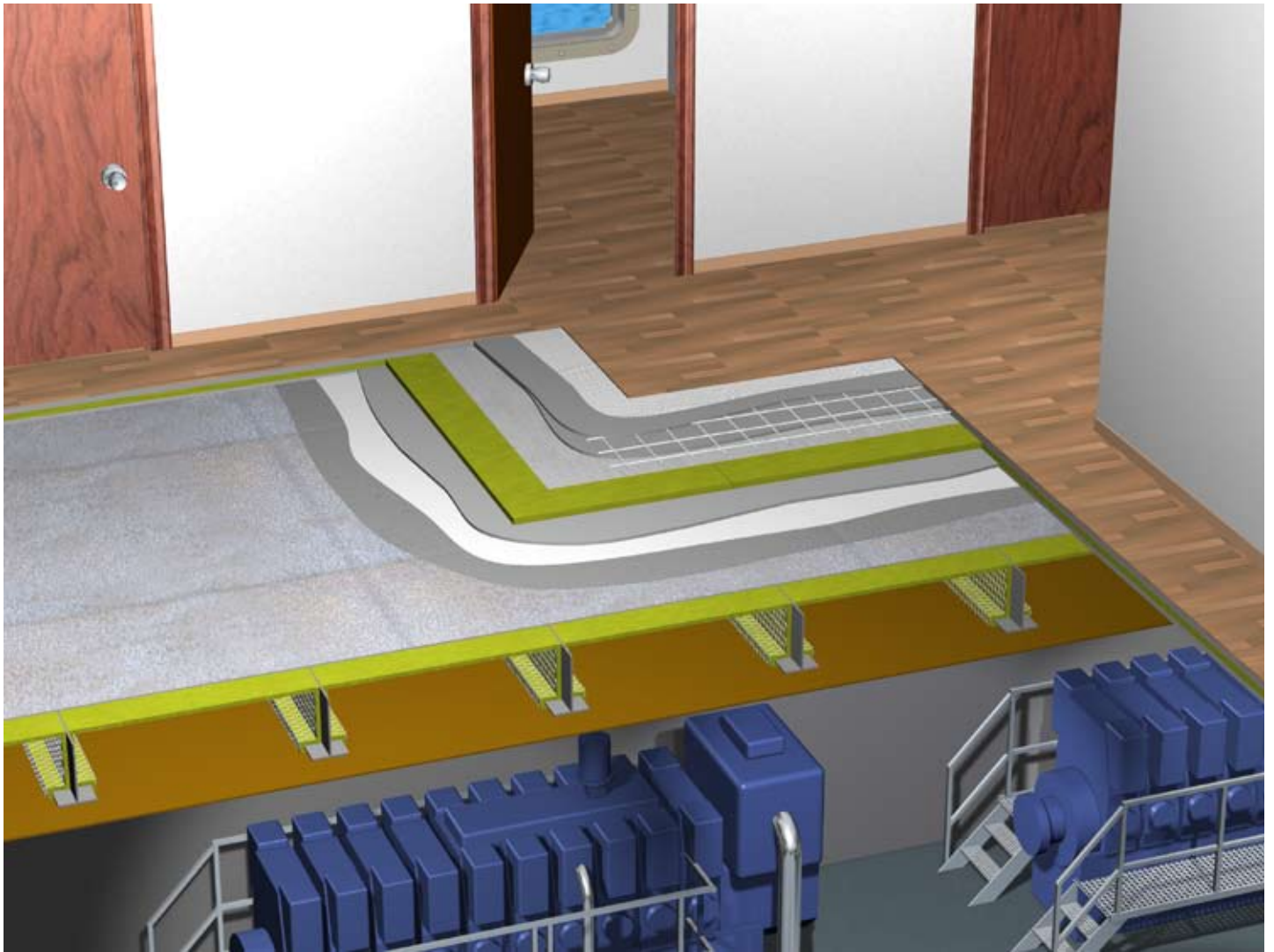
Composed of the following:

1. layer: 1,5 mm Visco-elastic layer (ACM, DG-U 1 or DG U-1 Green from Swedac)
2. layer: 15 mm Weber.floor 4660 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 fibertextile, GeoPro SI 401 from GeoTippTex, Hungary or equivalent with nominal density 135 g/m²
5. layer: Steel reinforcement net Ø 5mm, grid 150 x 150mm (K-131)
6. layer: 25mm Weber.floor 4665 Marine Fire (cement based levelling compound with nominal density of 1,7 kg/m²/mm)

Weber Marine dB A-6o Floor

Weber Marine dB A-6o 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. 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.

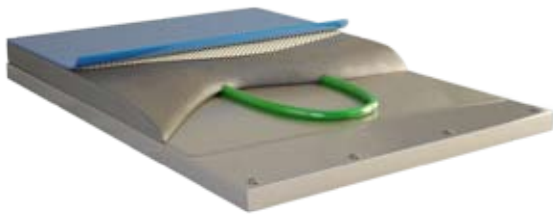


Composed of the following:

1. layer: 1,5 mm Visco-elastic layer (ACM or DG U-1 Green from Swedac)
2. layer: 15 mm Weber.floor 4660 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 (K-131)
6. layer: 25 mm Weber.floor 4665 Marine Fire (cement based levelling compound with nominal density of 1,7 kg/m²/mm)

Weber Marine Thermofloor

Weber Marine Thermofloor is designed for improved comfort in living quarters. Weber has, together with cooperation partner Ogland System, 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 rehabilitations. 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 strictest in the world.



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 15mm cover over cable. Alternatively, use 8W/m cable is a thinner floor is required (10mm cover over cable).



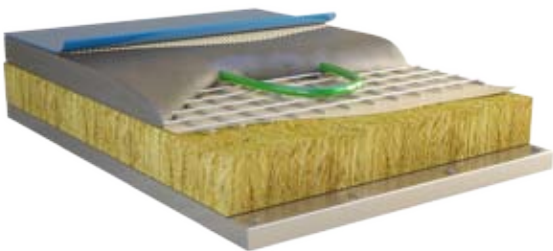
Under vinyl strip floor

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 15mm cover over cable. Alternatively, use 8W/m cable is a thinner floor is required (10mm 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.



Floating on mineral wool insulated steel plate

The installation principles are the same, but the substrate need to be sealed due the the self levelling screed being applied. The heating cables are fixed (using plastic strips) to the reinforcement net. The reinforcement net is usually standard net, K-131, Ø 5mm, grid 150 x 150mm

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 life-time of the installation
- Free of electromagnetic radiation
- Zero maintenance costs
- Automatic temperature regulation
- “Invisible” heat source, no conflict when furnishing
- No dust burning
- The Weber.floor 4660 Marine Elastic is mixed in pure water and is pumpable

Weber Marine Waterproofing

Weber waterproofing has products and systems for various construction chemical application areas. These modern-construction chemical products and systems are flexible in use and therefore ideal for ships and offshore installations requiring waterproofing. The flexibility is ensured by the work carried out by highly qualified specialists in our research and development department. For marine applications, Weber has developed a complete wet area system that is DNV approved. Weber Waterproofing Products are designed to protect various parts of construction from water and to overcome issues caused by moisture.

Weber.tec 822 System – consist of:

Weber.prim 801 Primer: Solvent free, alkali-resistant primer. Weber.prim 801 is suitable for adhesion to the Weber.tec 822 Membrane.

Weber.tec 822 Membrane: Flexible, normal-setting liquid waterproofing membrane for wet-duty rooms. Weber.tec 822 is suitable as seamless and jointless waterproofing of wet-duty rooms, where a high amount of watertightness is necessary, e.g. such as showers, bathrooms, toilets, laundries etc.

Weber.set 858 Tile Adhesive: Flexible, highly polymer-modified, cement-based thin- and medium-bed tile adhesive. Weber.set 858 is suitable for laying in the thin-bed or medium-bed method of ceramic wall and floor tiles, mosaic, stoneware quarter-brick claddings, stoneware, fine stoneware, earthenware, split tiles, natural stones, brick tiles. Weber.set 858 is easily used, flexible adhesive resistant to weathering, heat and frost.

Weber.color 877 Grout Mortar: Flexible, polymer-modified, cement-based grout mortar. For joint width 2 – 20 mm. Weber.color 877 is a highly polymer-modified, flexible, cement-based grout mortar.



Weber.xerm 847 System – consist of:

Weber.prim 801 Primer: Solvent free, alkali-resistant primer. Weber.prim 801 is suitable for adhesion to the Weber.tec 822 Membrane.

Weber.xerm 847 Epoxy Membrane: Flexible, solvent-free, two-component epoxy resin waterproofing compound and tile adhesive (trowel grade). Weber.xerm 847 is a highly flexible, trowel-grade solvent-free, 2-component epoxy resin. It is a waterproofing compound as well as a tile adhesive with a high bonding strength. Epoxy based tile adhesive, flexible for areas with slight tensions and vibrations.

Weber.color 877 Grout Mortar: Flexible, polymer-modified, cement-based grout mortar. For joint width 2 – 20mm. Weber.color 877 is a highly polymer-modified, flexible, cement-based grout mortar.



Product guide

PRODUCT	FIELD OF APPLICATION	SUBSTRATE	PROPERTIES	CONSUMPTION
Weber.floor 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/m ² Concrete (1:3) 0,10 l/m ² Wooden floors/linoleum (5:1) 0,20 l/m ² 4710N Epoxy Primer (5:1) 0,20 l/m ² PVC (1:1) 0,15 l/m [∞] Ceramics (1:1) + powder scattering 0,15 l/m ²
Weber.floor 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/m ² + sand scattering Aluminium 0,20-0,30 kg/m ² + sand scattering
Weber.floor 4660 Marine Elastic	Levelling of decks in light traffic areas for ships and offshore installations. For hand application or applied using Weber.floor 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/m ² /mm
Weber.floor 4665 Marine Fire	Levelling of floating floor constructions in light traffic areas for ships and offshore installations. For hand application or applied using Weber.floor mixing pump.	Mineral wool	Cement-based, pumpable levelling material. It quickly attains a high surface strength. Layer thickness 2-30 mm, walkable after 6-12 hours and final covering after 1-3 days.	1,7 kg/m ² /mm
Weber.floor 4670 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/m ² /mm
Weber.floor 4675 Marine-Flow Rapid	Refurbishment of old floor constructions in light traffic areas for ships and offshore installations. For hand application or applied using Weber.floor 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 2-30 mm, walkable after 6-12 hours and final covering after 1-3 days.	1,7 kg/m ² /mm
Weber.floor 4680 Marine Light	Lightweight levelling of decks in light traffic areas for ships and offshore installations. For hand application.	Steel, galvanised steel, aluminium, concrete, ceramics, stone	Lightweight, polymer modified cement-based fine smoothing compound for use as a levelling material. Walkable after 2-4 hours and final covering after 1-3 days.	0,9 kg/m ² /mm

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 **weber**
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