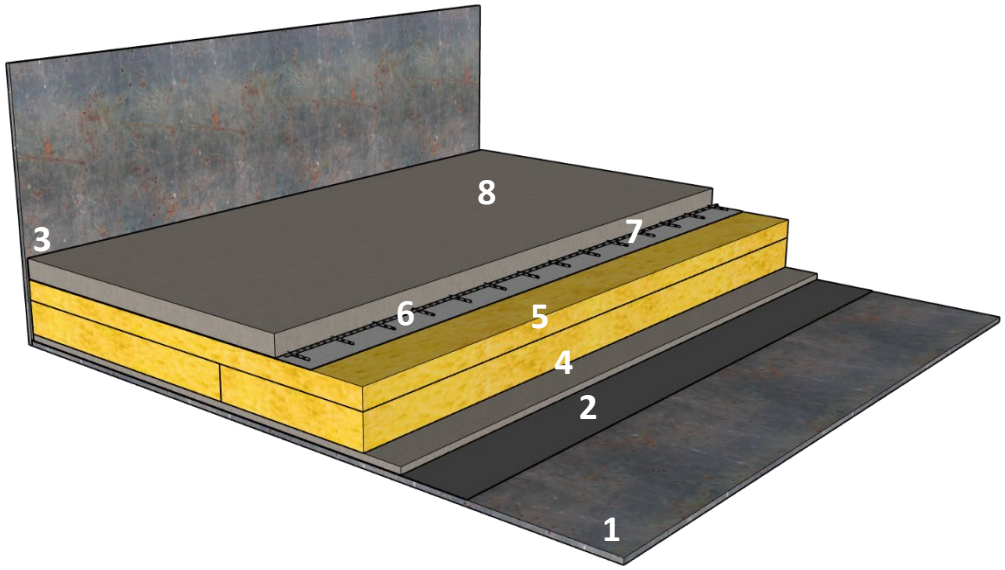
INSTALLATION MANUAL

Weber Marine A-60 Floor N Light

MEDB00008DC (Variant II)

VERSION	003
REV.	
DATE OF ISSUE	2024-11-06
PREPARED BY	JAS
APPROVED BY	JAS

SYSTEM BUILD-UP

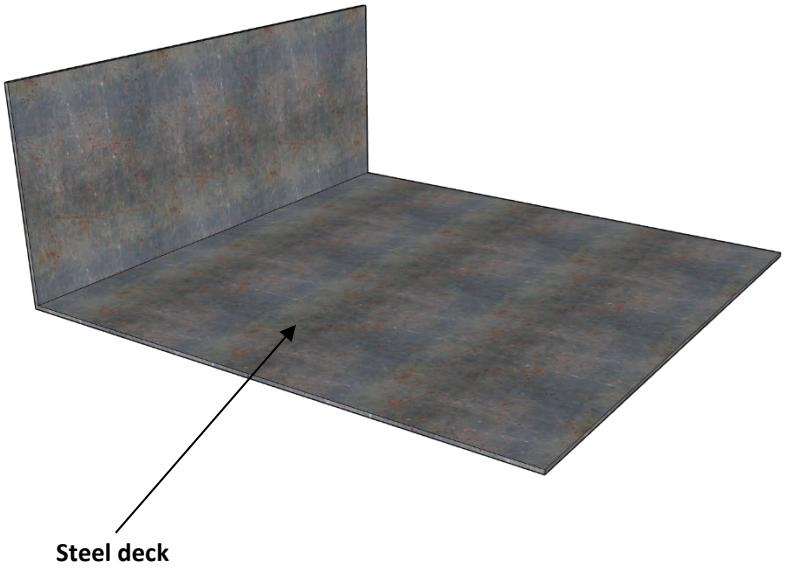


1. **Deck**
2. **Weber Marine VEM PU-1 (Visco elastic material) min. 1mm**
3. **weberfloor kantlist 5mm x 145mm (stop end list)** – *removed before floor covering*
4. **weberfloor 4660N Marine Elastic (self-levelling cement-based material) min. 6mm**
5. **Isover U SeaProtect Slab 90 (mineral wool), min, 20mm**
6. **weberfloor TG200 Finished Glass Fabric (Woven glass fibre fabric)**
7. **Steel reinforcement net, Ø5mm**
8. **weberfloor 4660N Marine Elastic (self-levelling cement-based material), min. 25mm**

MEDB00008DC (Variant II)

Minimum thicknesses specified are to achieve A60 fire classification according to the certificate. Thicknesses above that to be adapted after project requirements.

STEP 1 – Preparation of steel deck



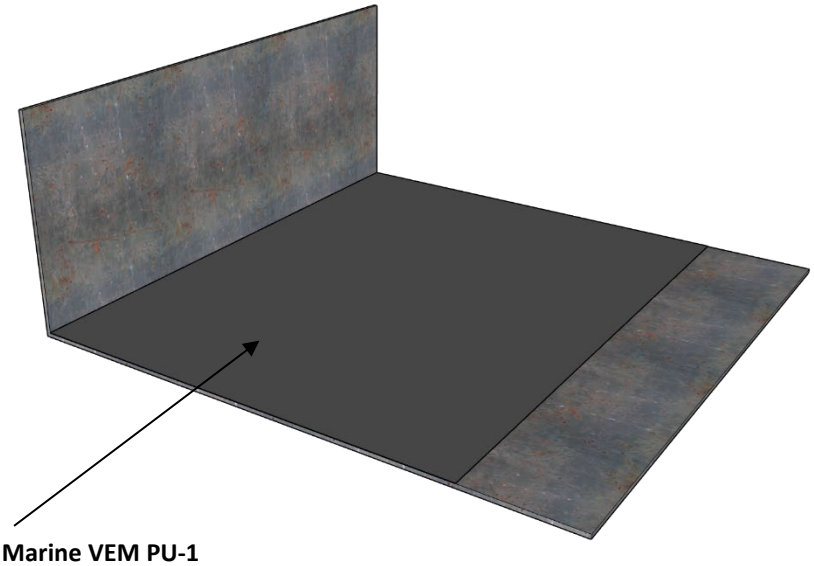
The steel/ galvanised steel/ aluminium deck should be clean and free from grit, rust, grease, and other impurities and surface contaminants.

All dust and debris should be vacuum cleaned from the surface.

Steel decks should be ground free from weld spots and other lumps, and treated with a rust-protecting shop-primer.

If the shop-primer has a hard and glossy surface, the surface should be light grinded/ sanded to mat down the texture to improve adhesion properties.

STEP 2 – Weber Marine VEM PU-1 (Visco-elastic material)



Weber Marine VEM PU-1
(Visco-elastic material)

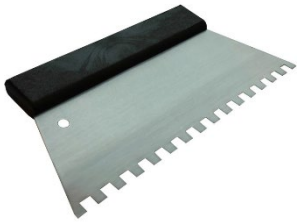
1. Mix and trowel out ***Weber Marine VEM PU-1*** two component polyurethane-based viscoelastic on the deck. **Minimum thickness. 1mm**

2. Use a toothed trowel or toothed spatula to distribute the VEM PU-1 across the deck area.

CONSUMPTION: **1,35kg/mm/m2**
CURING TIME BEFORE NEXT LAYER: **12-16 hours**
APPLICATION TEMPERATURE: **Minimum +10°C (floor and air temperature)**

KEY POINTS & PRACTICAL ADVICE:

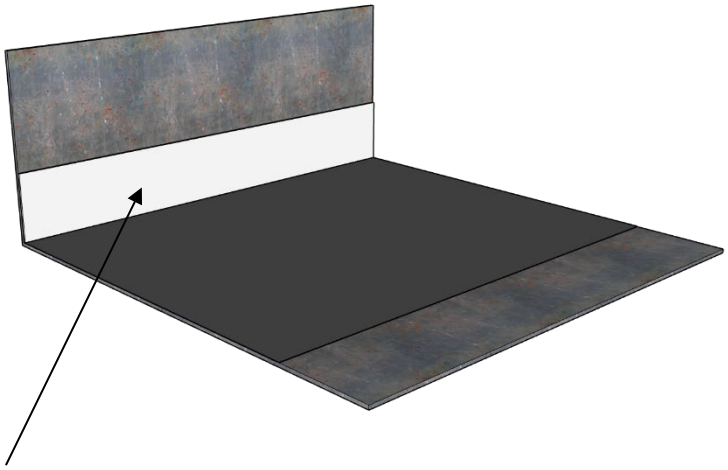
- Always read product datasheet before usage of material.
- For good workability it`s recommended to store the material min. 24 hours before use in the same temperature/environment as the area of installation.
- Use a toothed spatula adapted for the desired thickness of the Visco-elastic material.
  Always make test measurements to ensure the correct thickness is applied.



Toothed spatula

Packaging VEM PU-1, 26kg set
Component A: 22kg
Component B: 4kg

STEP 3 – weberfloor kantlist 5mm x 145mm (stop end list)



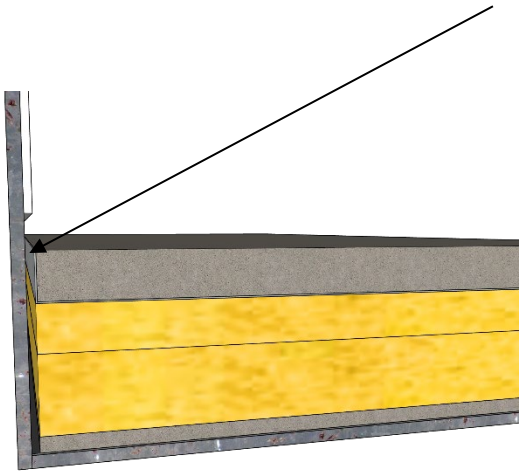
weberfloor kantlist 5mm x 145mm
(stop end list)

Fix stop end list along all walls, around columns, 90°outer corners and other vertical structural elements.

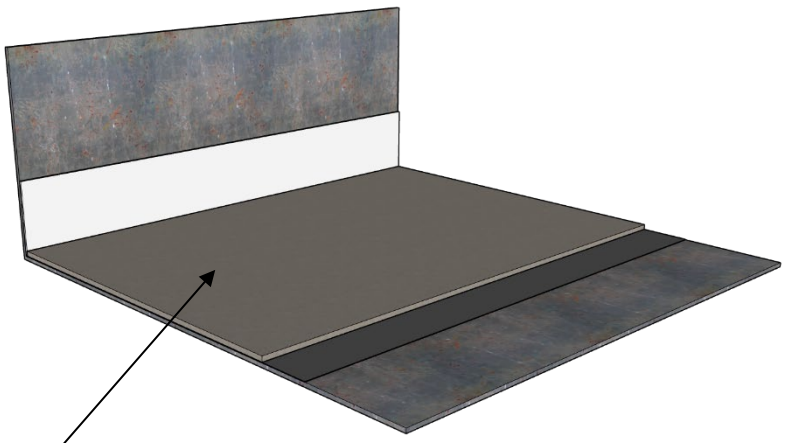
The purpose of the stop end list is to create a gap between the self-levelling material and the structural elements to avoid sound contamination which will decrease the noise & vibration insulation properties of the system.
Alternatively Isover U SeaProtect Slab 90 can be used as stop end list.

KEY POINTS & PRACTICAL ADVICE:

- Recommend installing the stop end list two times around columns and pipes.
- If the stop end list is removed before final floor covering, make sure to fill the gap with a flexible and approved material.



STEP 4 – weberfloor 4660N Marine Elastic (Self-levelling material)



weberfloor 4660N Marine Elastic
(self-levelling material)

Mix and apply the constraining layer weberfloor 4660N Marine Elastic on top of installed Visco-elastic layer using a Weber approved mixer pump or by hand to an average required layer thickness. **Minimum thickness. 6mm**

Use a notched trowel, toothed spatula, spike roller or wobbler to assist the self-levelling process and to achieve a smooth surface.

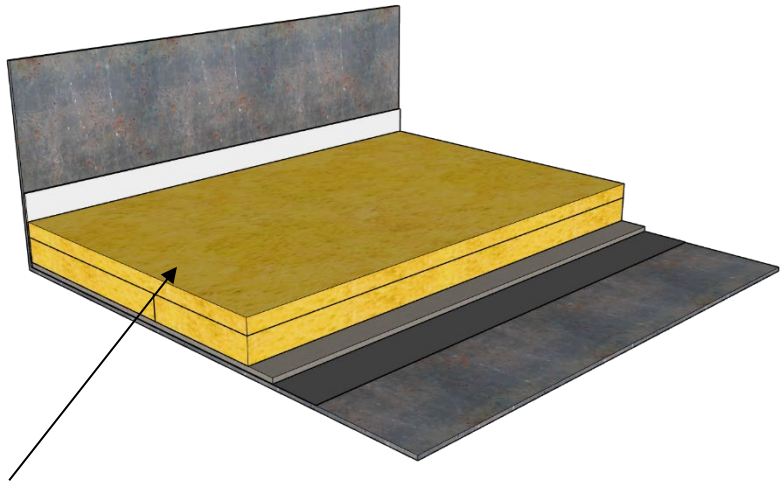
CONSUMPTION:	**1,7kg/mm/m2**
WATER MIXING RATIO:	**19% (3,8 litre per 20 kg bag)**
CURING TIME BEFORE FOOT TRAFFIC/NEXT LAYER:	**2-4 hours**
APPLICATION TEMPERATURE:	**Minimum +10°C (floor and air temperature)**

KEY POINTS & PRACTICAL ADVICE:

- Always read product datasheet before usage of material.
- Under no circumstances use more water content then mixing ratio stated in product datasheet.

Packaging weberfloor 4660N Marine Elastic, 20kg bag

STEP 5 – Isover U SeaProtect Slab 90 (mineral wool), min. 20mm



Isover U SeaProtect Slab 90, *(mineral wool)*

Lay out the mineral wool slabs.

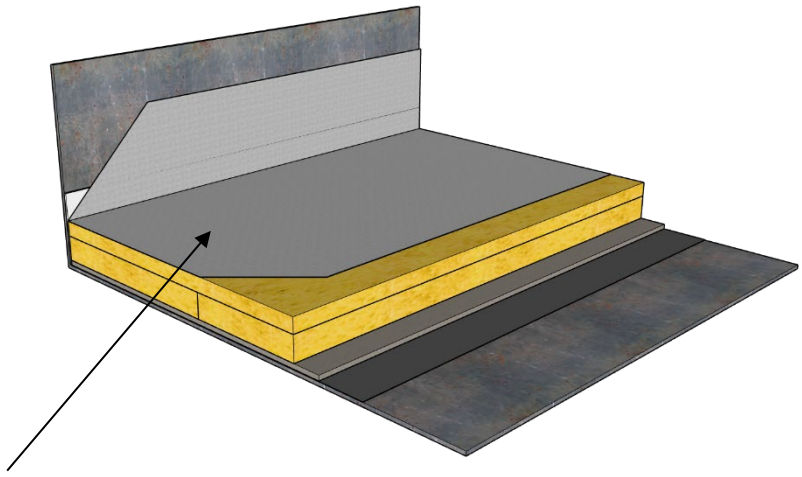
If 2-layers are used, lay out the 2-layers in crosses between the layers in the order of the thicker slab first and the thinner slab as second as showed in the illustration.

KEY POINTS & PRACTICAL ADVICE:

- If 2-layers of mineral wool are used, make sure to avoid continuous joints between the layers.
- All joints of the slabs must be tight-butted joints.
- Use a ruler when cutting the mineral wool

Packaging Isover U SeaProtect Slab 90

STEP 6 – weberfloor TG200 Finished Glass Fabric (Woven glass fibre fabric)

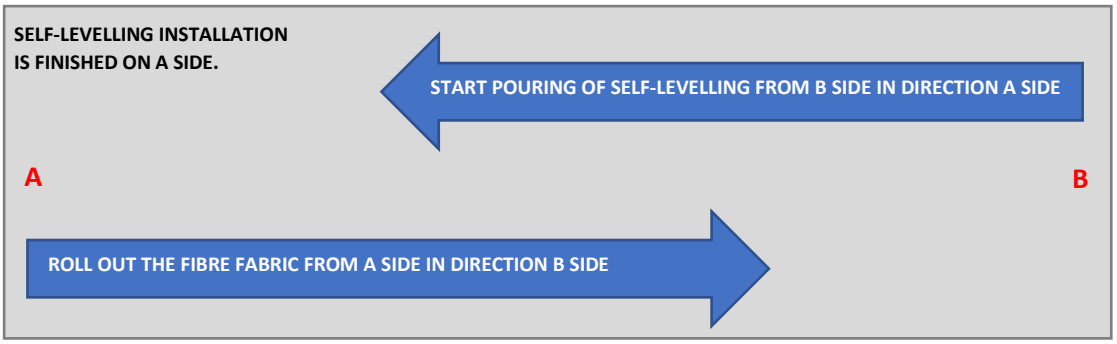


weberfloor TG200 Finished Glass Fabric
(Woven glass fibre fabric)

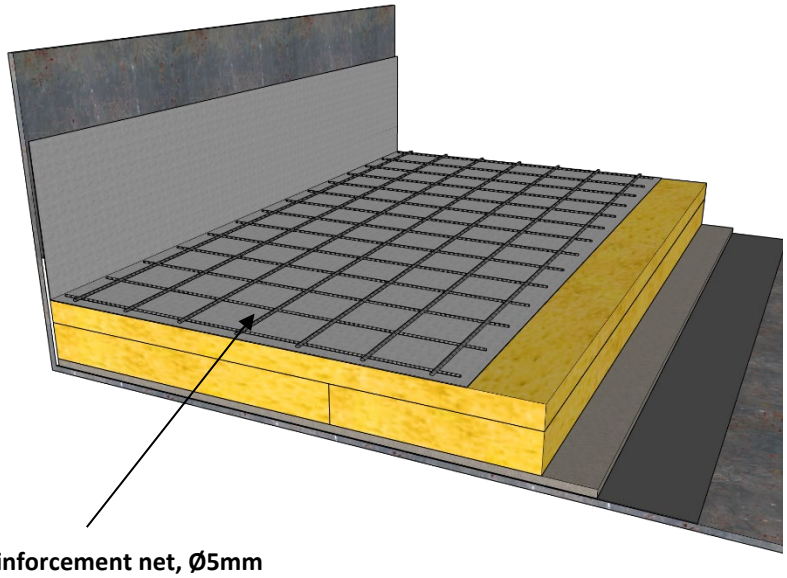
Roll out the glass fibre fabric as dividing layer on top of the mineral wool and ensure overlapping not less than 150mm. All floor-wall connections should be carefully sealed off to avoid the self-levelling material flow through.

KEY POINTS & PRACTICAL ADVICE:

- Important to plan before rolling out the fibre fabric, start to roll out the fabric in the area where you will end the installation of the self-levelling material. This will prevent to prevent the self-levelling material to flow under the fibre fabric.



STEP 7 – Steel reinforcement net, Ø5mm



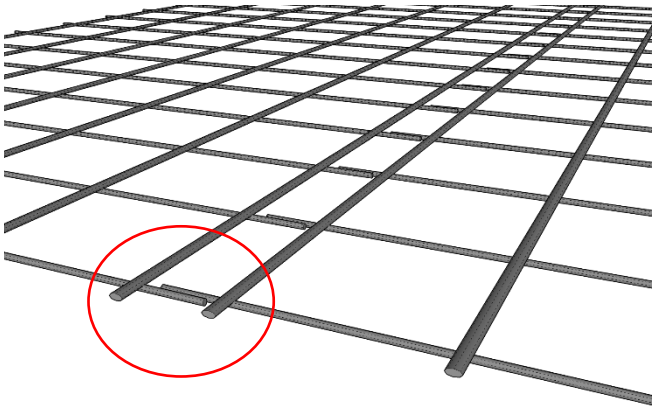
Steel reinforcement net, Ø5mm

The self-levelling layer is reinforced on top of the fibre fabric layer with steel reinforcement net.

Bind the net together with “finger joints” with rebar wire.

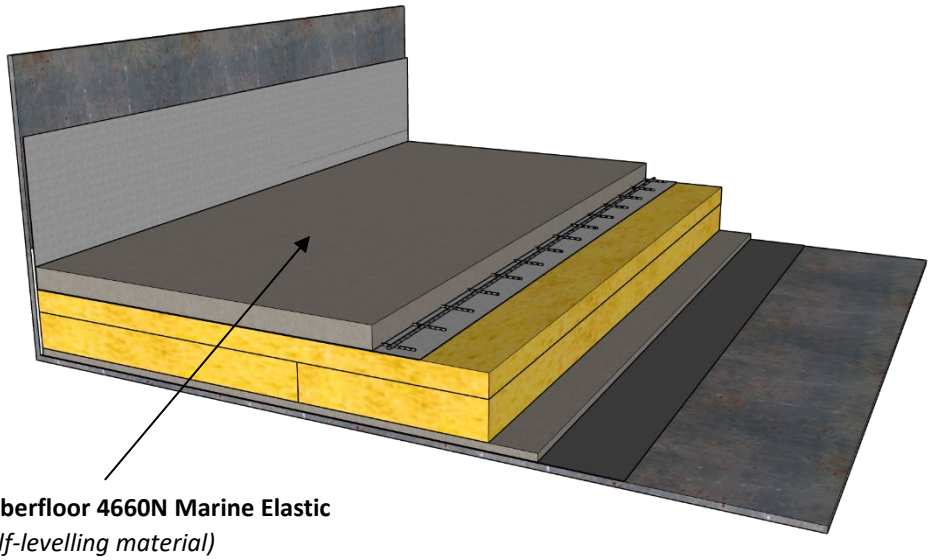
KEY POINTS & PRACTICAL ADVICE:

- Make sure the steel net is laying flat on the surface.



Steel net installed with finger joints

STEP 8 – weberfloor 4660N Marine Elastic, min. 25mm (self-levelling material)



weberfloor 4660N Marine Elastic
(self-levelling material)

Mix and apply the constraining layer weberfloor 4660N Marine Elastic using a Weber approved mixer pump or by hand to a layer thickness of min. 25mm.

Use a wobbler to assist the self-levelling process and to achieve a smooth surface.

CONSUMPTION:	**1,7kg/mm/m2**
WATER MIXING RATIO:	**19% (3,8 litre per 20 kg bag)**
CURING TIME BEFORE FOOT TRAFFIC:	**2-4 hours**
CURING TIME BEFORE FLOOR COVERING:	**min. 2,5 days (10mm per day)**
APPLICATION TEMPERATURE:	**Minimum +10°C (floor and air temperature)**

KEY POINTS & PRACTICAL ADVICE:

- Always read product datasheet before usage of material.
- Under no circumstances do not use more water than mixing ratio stated in product datasheet.
- Before laying the floor covering it should always be checked that the self-levelling layer has dried out sufficiently for the chosen type of floor covering.

Packaging weberfloor 4660N Marine Elastic, 20kg bag