

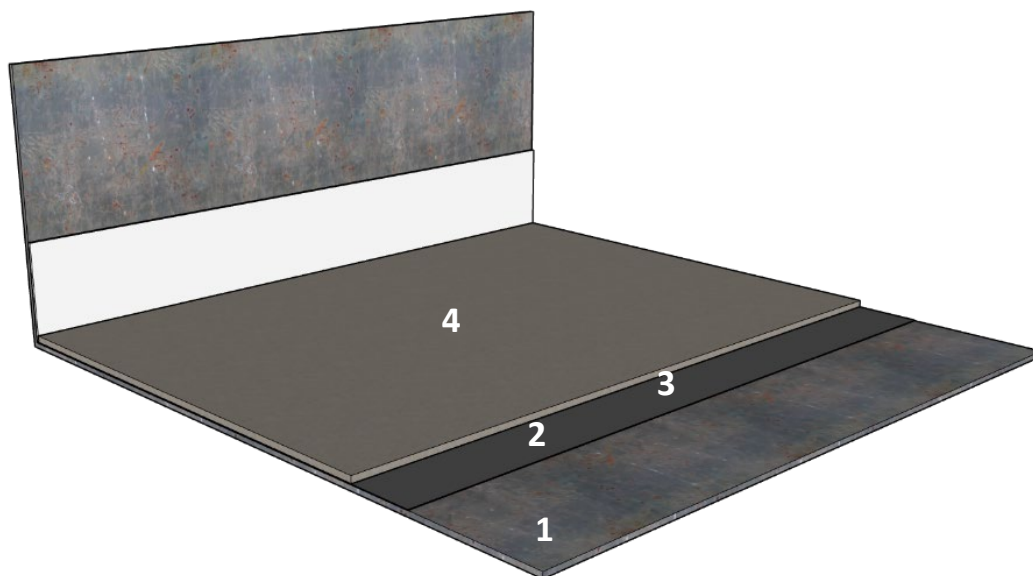


INSTALLATION MANUAL

WEBER MARINE DAMPING FLOOR

VERSION	001
REV.	
DATE OF ISSUE	2024-10-16
PREPARED BY	RM
APPROVED BY	JAS

SYSTEM BUILD-UP

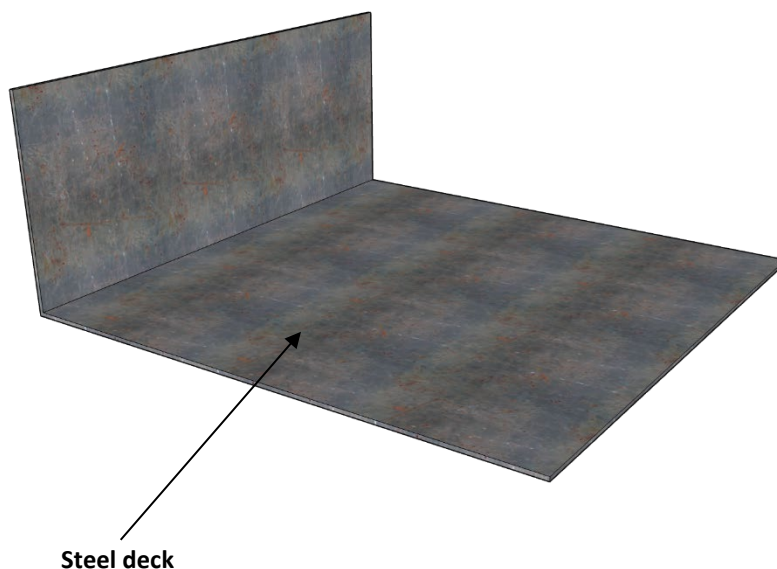


1. Deck
2. 1-2mm - Weber Marine VEM PU-1 (Visco elastic material) + weberfloor quartz sand
3. weberfloor 4716N Primer
4. 10-20mm weberfloor 4660N Marine Elastic (self-levelling cement-based material)

TOTAL THICKNESS: \approx 11 - 22 mm

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STEP 1 – Preparation of steel deck



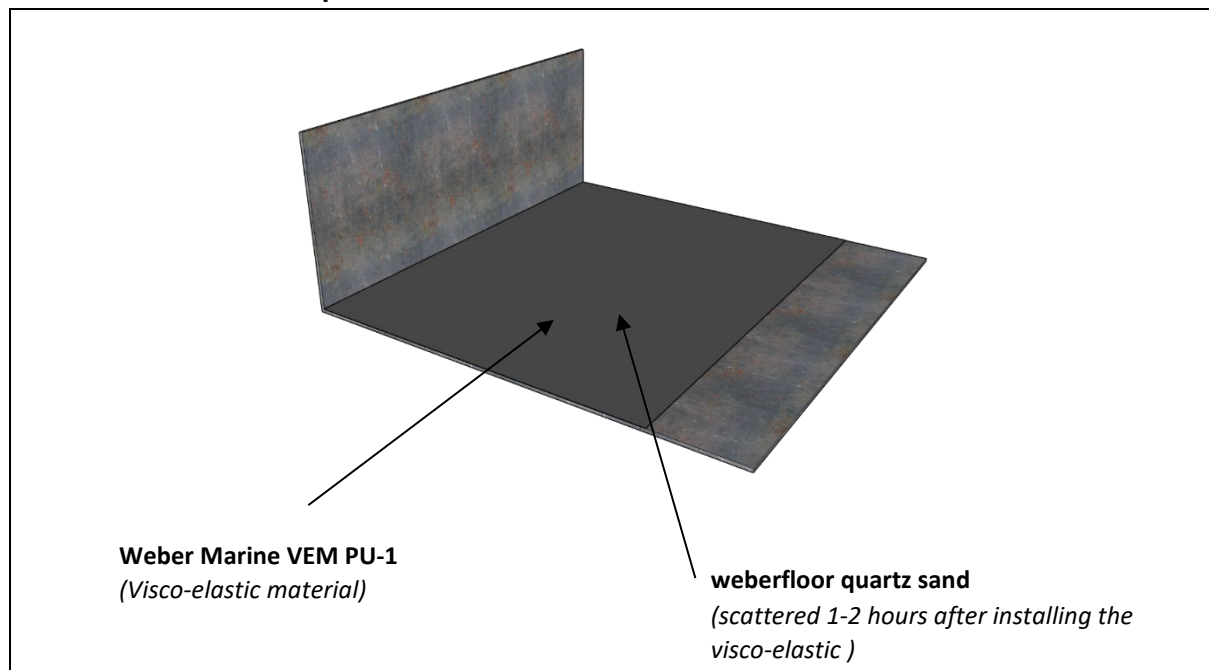
The steel/ galvanised steel/ aluminium deck should be clean and free from grit, rust, grease, and other impurities and surface contaminants.

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), 1-2mm + weberfloor quartz sand



1. Mix and trowel out **Weber Marine VEM PU-1** two component polyurethane-based viscoelastic on the deck.
2. Use a toothed trowel or toothed spatula to distribute the VEM PU-1 across the deck area.
3. 1-2 hours after installing the Visco-elastic material, fully scatter the surface with **weberfloor quartz sand**.
4. After the VEM PU-1 has cured all residual sand should be vacuumed cleaned

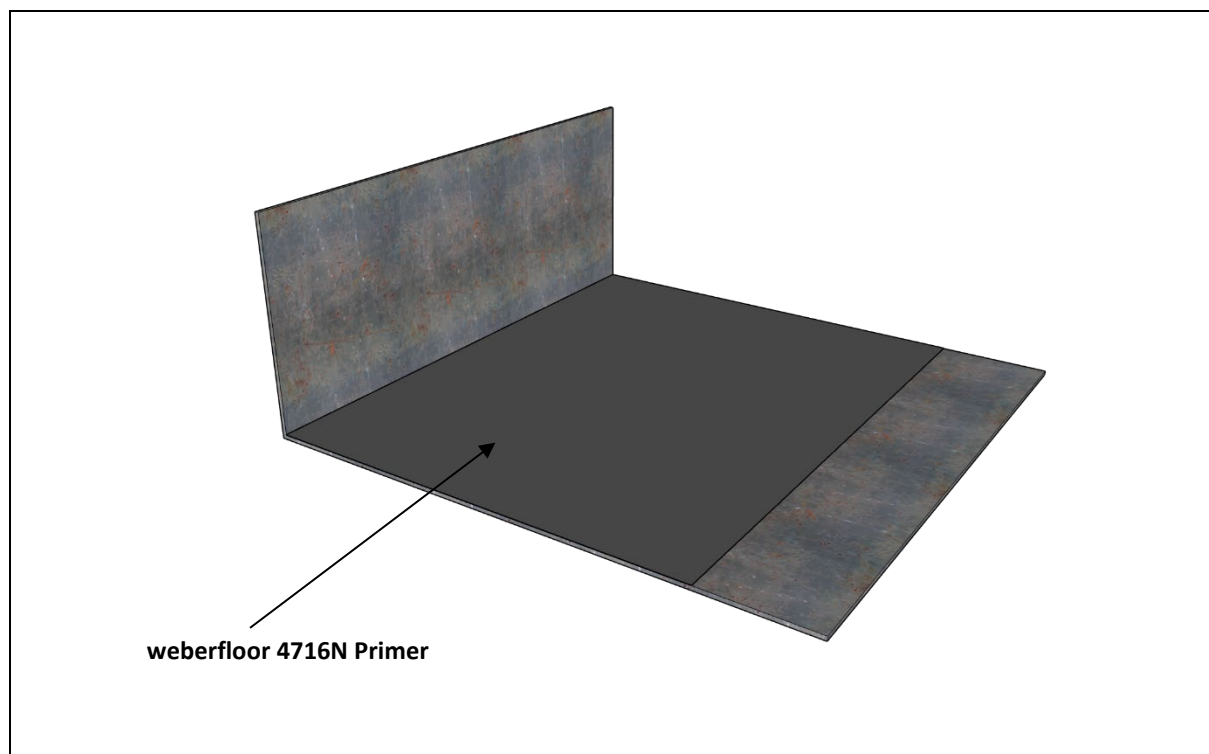
CONSUMPTION VEM PU-1: 1-2mm = 1,35-2,7 kg per sqm
CONSUMPTION QUARTZ SAND: ≈ 1 kg per sqm
CURING TIME BEFORE NEXT LAYER: 12-16 hours
APPLICATION TEMPERATURE: Minimum +10°C / +50°F (floor and air temperature)

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.



STEP 3 – weberfloor 4716N Primer



5. Measure and pour clean water in a mixing bucket.
6. Measure and pour 4716N into the mixing bucket with water.
7. Mix the water/primer solution by stirring.
8. Pour the diluted primer over the floor surface and distribute evenly with a paint roller.

MIXING RATIO: 1 part water and 3 part 4716N Primer

CONSUMPTION: 0.2 litre per sqm

CURING TIME BEFORE NEXT LAYER: 1-3 hours

NB. Next layer (4660N Marine Elastic) must be installed no later than 48 hours after application otherwise the 4716N Primer may losing the necessary adhesion properties.

APPLICATION TEMPERATURE: Minimum +10°C / +50°F (floor and air temperature)

KEY POINTS & PRACTICAL ADVICE:

- Always read product datasheet before usage of material.
- When working with the primer, always make sure good ventilation is available.

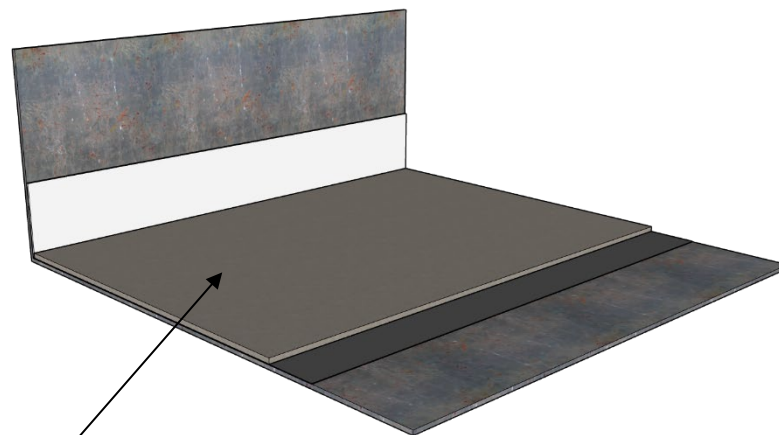


Paint roller



Packaging weberfloor 4716N Primer, 25ltr can

STEP 4 – weberfloor 4660N Marine Elastic (Self-levelling material), 10-20mm



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.

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

CONSUMPTION:

10-20mm = 17-34 kg per sqm

WATER MIXING RATIO:

19% / 3,8 litre of water per 20 kg bag

CURING TIME BEFORE FOOT

2-4 hours

TRAFFIC/NEXT LAYER:

APPLICATION TEMPERATURE:

Minimum +10°C / +50°F (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