

APPLICATION MANUAL Sikafloor® Marine VEM Steel

NOVEMBER.2020 / VERSION 02 / SIKA SERVICES AG





HEALTH AND SAFETY EQUIPMENT

Use protection gear according to the most current Safety Data Sheet.

REQUIREMENTS (PRECONDITIONS AND ACTIONS)

The following requirements are essential and mandatory to create acoustic floors meeting the corresponding sound test reports and certificates such as IMO approvals.

- Use this application manual in conjunction with the current Product Data Sheet.
- Application may only be performed by trained professional flooring contractors.
- On zinc-rich primed metal or bare aluminum decks it is required to apply the SikaCor® ZP Primer prior any application.
- The area must be protected from weather conditions.
- Ensure that access to the application area is restricted to the installation team.
- Ambient and substrate temperature needs to be between 5 °C and 30 °C.
- Do not apply Sikafloor® Marine products if the relative humidity is above 80 %.

SYSTEM BUILD UP / COVERAGE

	Sikafloor® Marine VEM X			Electro galvanized steel tiles		
Tickness	1 mm	1.5 mm	2 mm	1.5 mm	2 mm	3 mm
Size	n.a.			310 x 150		
Weight per m ²	1.3 kg/m ²	2 kg/m ²	2.6 kg/m ²	12 kg/m ²	16 kg/m ²	24 kg/m ²

For the electrogalvanized steel plates (tiles), always consider that the practical consumption is related to the application and the complexity of the area (pipe penetrations, columns, etc.). Therefore, it is recommended to not consider the gaps between the plates but to calculate the coverage of steel as 100 % of the area. For the Sikafloor® Marine VEM X always consider that the practical consumption is related to application, deck deviations (tolerances), etc. It is recommended to add 10 % to the theoretical consumption to cover the mentioned factors.

ADDITIONAL INFORMATION

For most current versions of IMO approvals and other Marine certificates contact your local Sika representative.

The individual Product Data Sheet shall prevail over this "Application Manual".

All conditions stated in the individual Product Data Sheet regarding application, storage, etc. shall continue to apply.



APPLICATION STEPS

1	If substrate is contaminated sucontaminates from metal sur Sika® Remover-208 or water-b Note: Replace dirty rag freque according to national regulation	rfaces with solvents such as ased cleaners. ntly and dispose of it		
2	Remove rust, loose paint argrinder or a handheld grinder. Sweep bigger particles with a bcleaner.	from the substrate.		
3	Only in case of zinc-rich primed metal or bare aluminum substrates: Apply SikaCor® ZP Primer with a long hair roller cross rolled and let it dry. Flash off time SikaCor® ZP Primer (80µm) 10° C -5 hours 20° C -3 hours 30° C -2 hours Note: Consumption about 200 – 250 g/m²			
4	Mixing paddle type 1 10-15 Kg; Ø 100mm 15-25 Kg; Ø 120mm 20-40 Kg; Ø 140mm 30-60 Kg; Ø 160mm Mixer Type and diameter requivolume Use the remaining water to accommodate to the second		Paddle 1	Paddle 2
4 5	10-15 Kg; Ø 100mm 15-25 Kg; Ø 120mm 20-40 Kg; Ø 140mm 30-60 Kg; Ø 160mm Mixer Type and diameter requivolume	5-15 Kg; Ø 90mm 15-25 Kg; Ø 120mm 25-35 Kg; Ø 150mm 35-50 Kg; Ø 160mm ired to mix the defined djust the consistency old potable water in a bucket Marine VEM X. ox. 400 rpm) for about 5 mortar is obtained. djust the consistency.	Paddle 1	Paddle 2



IMPORTANT: For further build-up of the floor system, consult the corresponding "Additional Product Information" (API) regarding surface quality and required steps.

Disclaimer

The information contained herein and any other advice are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. The information only applies to the application(s) and product(s) expressly referred to herein. In case of changes in the parameters of the application, such as changes in substrates etc., or in case of a different application, consult Sika's Technical Service prior to using Sika products. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.