

APPLICATION MANUAL

Sikafloor® Marine VEM with constrained mortars

NOVEMBER.2020 / VERSION 02 / SIKA SERVICES AG

Sikafloor® Marine-18 Sikafloor® Marine-118 FC Sikafloor® Marine-190





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 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		Constrained mortars with Sikafloor® Marine			
Product	Sikalioor° iviarille veivi		-18	-118 FC	-190	
Thickness	1 mm	1.5 mm	2 mm		10 mm	
Weight per m ²	1.3 kg/m ²	2 kg/m ²	2.6 kg/m ²	18 kg/m ²	18 kg/m ²	18 kg/m ²

For the constrained mortar layers always consider that the practical consumption is related to the application and the complexity of the area (pipe penetrations, columns, etc.). 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 surfacilities. Sika® Remover-208 or water-b Note: Replace dirty rag freque according to national regulation.	aces with solvents such as assed cleaners. ntly and dispose of it		
2	Remove rust, loose paint ar grinder or a handheld grinder t Sweep bigger particles with a b cleaner.	from the substrate.		
3	Only in case of zinc-rich prime substrates: Apply SikaCor® ZP cross rolled and let it dry. Flash off time SikaCor® ZP Prin 10° C -5 hours 20° C -3 hours 30° C -2 hours Note: Consumption about 200	Primer with a long hair roller ner (80μm dry film)		
4	Apply Sikafloor® Marine Prime let it dry until milky bluish aspetransparent. Note: Consumption about 75 - IMPORTANT: The maximum w	ect has changed to - 100 g/m ²		24h
5	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 ac		Paddle 1	Paddle 2
6	Put the lower amount of the cold potable water in a bucket and add one bag of Sikafloor® Marine VEM. Note: 16 kg bag 5.3 – 5.8 liter of potable water			



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7	Put the lower amount of the co and add one bag of Sikafloor® mixing paddles in top down dir about 5 minutes, wait for 5 min until a homogeneous mortar is	Marine VEM. Mix with rection (approx. 400 rpm) for nutes and start mixing again		
8	Apply the Sikafloor® Marine VE notched trowel (square 4 x 4 m 5 mm). Ensure that the final lay thick.	nm or in triangular shape 5 x		5 mm 4 mm 4 mm
9	Make sure to complete the application within the working time of 30 minutes. IMPORTANT: In case of temperature above 30 °C the working time will be reduced to 10 minutes or less.		30 min	>30°C
	After finishing application clean tools with water immediately after use. Note: Harden material can only be removed mechanically. IMPORTANT: Let the Sikafloor® Marine VEM cure according to the times mentioned on illustration 2. Ensure the floor is cured before continuing with next step.			_
10	immediately after use. Note: Harden material can only IMPORTANT: Let the Sikafloor to the times mentioned on illus	y be removed mechanically. Marine VEM cure according stration 2. Ensure the floor is		>25 °C >18 °C >10 °C 12h 16h 24h
10 11	immediately after use. Note: Harden material can only IMPORTANT: Let the Sikafloor to the times mentioned on illus	y be removed mechanically. Marine VEM cure according stration 2. Ensure the floor is text step. T C on the cured Sikafloor Oller and let it dry until milky ransparent.		



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			1	
13	Put the lower amount of cold add one bag of the selected S Sikafloor® Product Sikafloor® Marine-18 Sikafloor® Marine-118 FC	potable water in a bucket and ikafloor® Marine product. Potable water amount in liters 2.7 – 3.3 1 / 25 kg bag 5.3 – 6.0 1 / 25 kg bag		
	Sikafloor® Marine-190	5.3 – 5.8 l / 25 kg bag		
14	Mix with mixing paddle (approminates until a homogeneous Use the remaining water to ac	mortar is obtained.		
15	Apply the Sikafloor® Marine c trowel or a straight edge. Sika 190 can be applied with a pin	floor® Marine-118 FC and -		
16	Make sure to complete the aptime of 30 minutes. IMPORTANT: In case of tempororising time will be reduced	erature above 30 °C the	30 min	>30°C
17	After finishing application clear immediately after use. Note: Harden material can on			
18	Allow the floor to cure for at I Protect the applied floor again sunshine and draught. IMPORTANT: Do not walk on	nst freezing, direct heat /	12 h	





Ensure that the Sikafloor® Marine product is fully dry (water content max 4 %) before any subsequent application of vinyl's, coatings etc.



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.

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