Marine Application Guide

7 SikaFloor® Marine and Acoustic Product Selection Guide

Key to Cure times for Marine Flooring Components

ID	Product	First Cure Time	Full Cure Time*
A	SikaFloor® Marine S-110	6-8 hours [11]	6-8 days
B	SikaFloor® Marine KG-202	8-10 hours	6-8 days
C	SikaFloor® Marine KG-204	2 hours	1-2 days
D	SikaFloor® Marine KG-404	8-10 hours	6-8 days
E	SikaFloor® Marine KG-303	8-10 hours	6-8 days
F	SikaFloor® Marine E-43	36/48 hours [10]	
G	SikaFloor® Marine 261		
H	SikaFloor® Marine Thermo Light	1 week [11]	
I	SikaFloor® Marine PU-Red	6-8 hours	
J	SikaFloor® Marine Litosilo®	15 hours	6-8 days
K	SikaFloor® Marine Litosilo® Light	15 hours	6-8 days

*Dense or nonporous coverings should not be laid on floors until this period has expired and a maximum moisture content of 4% has been attained

Flooring Type	Product	Usage: Primary Deck Covering	Interior Use	Exterior Use	A-60 Compliant	Used in Wet Areas	Used Under Tiles	Under carpets (with felt)	Under carpets (without felt)	Under vinyl	Under parquet	Final Floor Covering	Requirements: Primer Needed	Primer needed between layers	A-60 minimum thickness (mm)	A-60 Weight (kg)	Appearance: Finish Colour		Benefits: Structure borne Noise Damping	Airborne Noise Reduction	Impact Noise Reduction	Self-Levelling	Quick Drying	Working Parameters: Open time at 20°C and 65% RH (minutes)	Application temperature (°C)	Cure times at 20°C and 65% RH (Please refer to inset key for codes)	Labour intensity rating	Typical overall application depth (mm)	Applied density (approx.) (g/cm³)	Certification: Wheelmark	US Coastguard	Lloyd's Register of Shipping	Bureau Veritas	American Bureau of Shipping	Germanischer Lloyd	RINA	Transport Canada	Russian Register	JG	ClassNK	Natural frequencies: Unloaded floating floor with 50 mm RW	Loaded floating floor (80 kg/m²)	Loaded floating floor (120 kg/m²)
Single Layer Application	SikaFloor® Marine S-110	•	•				•[4]	•	•	•[4]			•	•				Grey					•		15	+5 to +35	A	1	6-10	0.9	•	•	•	•					•	•			
	SikaFloor® Marine -352	•	•	•		•	•	•	•	•	•		•					Grey					•	•	30	+5 to +35	B	1	50	0.5 - 1	•		•	•									
	SikaFloor® Marine KG-202	•	•			•	•	•	•[1]	•[1]	•		•	•				Grey							30	+5 to +35	B	2	8	0.9	•	•	•					•					
	SikaFloor® Marine KG-204	•	•			•	•	•	•[1]	•[1]	•		•	•				Grey						•	15	+5 to +35	C	2	8 (min)-20 (max)	1.2	•	•											
	SikaFloor® Marine KG-404	•	•			•	•	•	•[1]	•[1]	•		•	•				Grey							30	+5 to +35	D	2	8 (min)	1.4	•	•	•										
	SikaFloor® Marine E-43	•	•			•	•					•	•					Assorted				•			15	+5 to +35	E	3	3 (min)	12.5	•												
	SikaFloor® Marine 261	•	•			•	•					•	•	•								•				+5 to +35	F	1															
	SikaFloor® Marine Thermo Light	•	•			•	•	•	•[1]	•[1]			•	•				Grey						•	15	+5 to +35	G	2	10 (min)		•												
Visco-elastic Floors	SikaFloor® Marine PK-90	•	•			•	•	•	•[1]	•[1]	•							Grey	•						30	+5 to +35	I + E	3	10-13	1.3 [5], 1.8 [6]	•	•						•	•	•			
	SikaFloor® Marine PK-90 Steel	•	•	•		•[3]	•[1]	•[1]	•[1]	•[1]	•[3]							Metallic	•						[9]	+5 to +35	I	4/5	1 + Steel tile	1.3 [5], 8 [6]	•	•						•					
	SikaFloor® Marine PK-90 Alu	•	•			•	•	•	•[1]	•[1]								Metallic	•						[9]	+5 to +35	I	4/5	1 + Alu tile		•	•											
Floating Floors	SikaFloor® Marine Litosilo®	•	•		•	•[3]	•[5]	•	•[1]	•[1]	•[3]				45	35.3		Grey			•	•			30	+5 to +35	J	5	45	0.14 [7], 1.3 [8]	•	•	•	•	•	•		•	•	•	59	34	30
	SikaFloor® Marine Litosilo® Light	•	•		•	•	•	•	•[1]	•[1]					45	25.3		Grey			•	•			30	+5 to +35	L	5	45	0.14 [7], 0.9 [8]	•	•	•								62	36	31
	SikaFloor® Marine Litosilo® Steel	•	•		•	•	•	•	•[1]	•[1]					73	48.8		Grey			•	•			30 [8]	+5 to +35	J + I	6	37 (77 for A-60)		•	•					•				56	33	29
	SikaFloor® Marine Litosilo® Alu	•	•			•	•	•	•[1]	•[1]					47	48.6		Grey			•	•			30 [8]	+5 to +35	J + I	6	37		•	•									82	37	32
Combination Floors	SikaFloor® Marine PK-90 Steel + Litosilo	•	•		•	•	•	•	•[1]	•[1]								Grey	•	•	•				[8] 30	+5 to +35	I + J	6	48		•	•	•	•	•		•				59	34	30
	SikaFloor® Marine PK-90 + Litosilo®	•	•		•	•	•	•	•[1]	•[1]								Grey	•	•	•					+5 to +35		6								•					59	34	30
	SikaFloor® Marine PK-90 Steel + Litosilo® Light	•	•		•	•	•	•	•[1]	•[1]					47	38.6		Grey	•	•	•				[8] 30	+5 to +35	I + J	6	48		•	•	•								62	36	31
	SikaFloor® Marine PK-90 + Litosilo® Steel	•	•		•	•	•	•	•[1]	•[1]								Metallic	•	•	•				[8] 30 [8]	+5 to +35	I + J + I	6	47-50		•	•	•								56	33	29
	SikaFloor® Marine PK-90 Steel + Litosilo® Steel	•	•		•	•	•	•	•[1]	•[1]					76	62		Metallic	•	•	•				[8]	+5 to +35	I + I	7	39 (59 for A-60)		•	•					•				56	33	29
	SikaFloor® Marine PK-90 Alu	•	•			•	•	•	•[1]	•[1]								Metallic	•						[8]	+5 to +35	I	6	2.5		•	•											
	SikaFloor® Marine Litosilo® Alu	•	•			•	•	•	•[1]	•[1]								Metallic		•	•				[8]	+5 to +35	I	6	37		•	•									82	37	32
	SikaFloor® Marine PK-90 Alu + Litosilo® Alu	•	•			•	•	•	•[1]	•[1]								Metallic	•	•	•				[8]	+5 to +35	I + I	7	39		•	•									82	37	32

[1] Needs additional screeding; [2] Top layer is self-levelling; [3] Contact Sika; [4] Minimum 6 mm deep; [5] PU-Red; [6] KG-303; [7] Rockwool; [8] Litosil compound; [9] Tiles applied immediately; [10] 12 hours per layer + moulding; [11] Dependant on thickness [12] Litosilo Light