

BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor[®]-3240 ECF

Polyurethane self-smoothing conductive low VOC resin floor

DESCRIPTION

Sikafloor[®]-3240 ECF is a 2-part polyurethane, coloured, low VOC emission, conductive, resin based floor coating. It provides a hard-wearing, seamless, chemical resistant, tough-elastic, crack bridging, low maintenance, smooth gloss finish. For industrial applications. Internal use.

Sikafloor[®]-3240 ECF is the main wearing layer of the Sikafloor[®] MultiFlex PS-32 ECF System.

USES

Sikafloor®-3240 ECF may only be used by experienced professionals.

- On concrete and cementitious screeds for industrial applications e.g. automotive, electronics and pharmaceutical manufacturing, storage facilities, hospitals and warehouses.
- Areas where electrostatic conductivity is required for explosion protection.
- Areas with sensitive electronic equipment e.g. CNC machinery, computer rooms, aircraft maintenance sheds and areas subjected to high explosion risk.

CHARACTERISTICS / ADVANTAGES

- Electrostatic conductive
- Flexible and tough-elastic
- Crack-bridging
- Good chemical and mechanical resistance
- Low VOC emissions
- Easy to apply
- Good cleanability
- Economical
- Low sensitivity to moisture during application
- Low maintenance
- Seamless

SUSTAINABILITY

- Conformity with LEED v4 MRc 2 (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations
- IBU Environmental Product Declaration (EPD) available

PRODUCT INFORMATION

Composition	Polyurethane			
Packaging	Part A	20,25 kg containers		
	Part B	4,75 kg containers		
	Part A+B	25,0 kg ready to mix units		
	Refer to current price list for packaging variations			
Shelf life	12 months from date of production			
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.			

PRODUCT DATA SHEET Sikafloor®-3240 ECF December 2021, Version 01.01 020812040020000103

Part B 1,21 kg/l Mixed resin (Part A+B)Mixed resin (Part A+B)1,38 kg/lSikafloor*-3240 ECF is applied without filling with quartz sand. All density values at +23 °C.Solid content by mass~100 %Solid content by volume~100 %TECHNICAL INFORMATION(DIN 53505)Shore D Hardness~60 (7 days/23 °C/50 % r.h.)(DIN 53505)Abrasion resistance~75 mg (28 days/23 °C/50 % r.h.)(ASTM D 4060)Tensile strength~15 N/mm² (14 days/23 °C/50 % r.h.)(DIN EN ISO 527-2)Tensile strain at break~120 % (resin / 14 days / +23 °C / 50 % r.h)(ISO 527-2)Tensile adhesion strength>1,5 N/mm² (failure in concrete)(EN 13892-8)Electrostatic behaviourResistance to ground¹Rg < 10° Ω(IEC 61340-4-1)	Appearance and colour	Part A coloured, liqu				
Applied colours selected from colour charts will be approximate: Colour deviations may occur due to carbon fibre filaments. It is recommended that applied colours amples must be compared against colour chart colours under the same lighting conditions before final selection. When product is exposed to direct sunlight there may be some discolouration and colour variation, this has no influence on the function and performance of the coating. Pensity Part A 1,42 kg/l Mixed resin (Part A+B) 1,38 kg/l Solid content by mass ~100 % Solid content by volume ~100 % TECHNICAL INFORMATION (DIN EN ISO 2811-1) Shore D Hardness ~60 (7 days/23 *C/50 % r.h.) (DIN EN ISO 2821-2) Abrasion resistance ~75 mg (28 days/23 *C/50 % r.h.) (DIN EN ISO 527-2) Tensile strain at break ~120 % (resin / 14 days / +23 *C / 50 % r.h.) (DIN EN ISO 282-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground! Rs < 10° Ω (DIN EN 1081) Systems Refer to the Sikafloor** MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Systems Refer to the Sikafloor** MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION		· · · · · · · · · · · · · · · · · · ·				
Part 8 $1,21 \text{ kg/l}$ Mixed resin (Part A+B) $1,38 \text{ kg/l}$ Sikafloor®-3240 ECF is applied without filling with quartz sand. All density values at +28 °C. Solid content by mass ~100 % TECHNICAL INFORMATION Shore D Hardness ~60 (7 days/23 °C/50 % r.h.) (DIN 53505) Abrasion resistance ~75 mg (28 days/23 °C/50 % r.h.) (ASTM D 4060) Tensile strength ~15 N/mn² (14 days/23 °C/50 % r.h.) (DIN 5150 527-2) Tensile strain at break ~120 % (resin / 14 days /+23 °C / 50 % r.h.) (DIN 5150 527-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EC 61340-41) Typical average resistance Rg < 10° Ω (DIN EN 1081) Resistance to ground ¹ Rg < 10° Ω (DIN EN 1081) Trypical average resistance Rg < 10° Ω (DIN EN 1081) The grading may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Systems Refer to the Sikafloor [#] MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Systems Refer to the Sikafloor [#] MultiFlex PS-32 ESD system data sheet: AFO deta subset or additional information. Systems Refer to the Sikafloor [#] MultiFlex PS-32 ESD system data sheet: Sikafloor [#] M		 Applied colours selected from colour charts will be approximate. Colour deviations may occur due to carbon fibre filaments. It is recommended that applied colour samples must be compared against colour chart colours under the same lighting conditions before final selection. When product is exposed to direct sunlight there may be some discolouration and colour variation, this has no influence on the function and per- 				
Part B1,21 kg/lMixed resin (Part A+B)1,38 kg/lSikiafloor®-3240 ECF is applied without filling with quartz sand. All density values at +23 °C.Solid content by mass~100 %Solid content by volume~100 %TECHNICAL INFORMATIONShore D Hardness~60 (7 days/23 °C/50 % r.h.)(DIN 53505)Abrasion resistance~75 mg (28 days/23 °C/50 % r.h.)(DIN EN ISO 527-2)Tensile strength~15 N/mm² (14 days /23 °C/50 % r.h.)(ISO 527-2)Tensile strength>1,5 N/mm² (failure in concrete)(EV 13892-8)Electrostatic behaviourResistance resistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistanceResistance to ground! ResistanceResistanceResistant to many chemicals. Contact Sika Technical Services for additional information.SystemsRefer to the Sikafloor® MultiFlex PS-32 ESD system data sheetAPPLICATION INFORMATIONMixing ratioPart A : Part B = 81 : 19 (by weight)Consumption~2,1-2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface prosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul- tiFlex PS-32 ESDLayer thicknessWearing course: ~1,5 mm <t< th=""><th>Density</th><th colspan="2"></th><th>(DIN EN ISO 2811-1)</th></t<>	Density			(DIN EN ISO 2811-1)		
Sikafloor*-3240 ECF is applied without filling with quartz sand. All density values at +23 °C. Solid content by mass ~100 % Solid content by volume ~100 % TECHNICAL INFORMATION (DIN 53505) Abrasion resistance ~760 (7 days/23 °C/50 % r.h.) (DIN 53505) Abrasion resistance ~75 mg (28 days/23 °C/50 % r.h.) (ASTM D 4060) Tensile strength ~15 N/mm² (14 days/23 °C/50 % r.h.) (DIN EN ISO 527-2) Tensile strain at break ~120 % (resin / 14 days / +23 °C / 50 % r.h.) (ISO 527-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground! R _x < 10° Ω (IEC 61340-41) Typical average resistance R _g ≤ 10° Ω (DIN EN 1081) (DIN EN 1081) 1 Tis product fullis the requirements of ATEX 137 2 Reading: may way, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. Systems Refer to the Sikafloor* MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surfac		, <u>S</u>				
values at +23 °C. Solid content by mass ~100 % Solid content by volume ~100 % TECHNICAL INFORMATION (DIN 53505) Abrasion resistance ~75 mg (28 days/23 °C/50 % r.h.) (ASTM D 4060) Tensile strength ~15 N/mm² (14 days/23 °C/50 % r.h.) (DIN 50 527.2) Tensile strength ~120 % (resin / 14 days / +23 °C / 50 % r.h.) (DIN 180 150 527.2) Tensile strain at break ~120 % (resin / 14 days / +23 °C / 50 % r.h) (ISO 527.2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892.8) Electrostatic behaviour Resistance to ground ¹ Rg < 10° Ω (DIN EN 1081) Typical average resistance Rg ≤ 10° Ω (DIN EN 1081) (DIN EN 1081) 1 This product fulfits the requirements of ATEX 137 2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION "2,1–2,3 Rg/m². Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,2–3, Sg/m².		Mixed resin (Part A+B) 1,38 kg/l				
Solid content by volume ~100 % TECHNICAL INFORMATION (DIN 53505) Shore D Hardness ~60 (7 days/23 °C/50 % r.h.) (DIN 53505) Abrasion resistance ~75 mg (28 days/23 °C/50 % r.h.) (ASTM D 4060) Tensile strength ~15 N/mm² (14 days/23 °C/50 % r.h.) (DIN EN ISO 527-2) Tensile strain at break ~120 % (resin / 14 days / +23 °C / 50 % r.h.) (DIN EN ISO 527-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground ¹ R _g < 10° Ω (IEC 61340-4.1) Typical average resistance R _g < 10° Ω (DIN EN 1081) (DIN EN 1081) to ground ¹ 1 This product fulfils the requirements of ATEX 137 (DIN EN 1081) (DIN EN 1081) Tensile resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. Systems Systems Refer to the Sikafloor [®] MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1-2,3 kg/m². Consumption ~2,1-2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or was			sand. All density			
TECHNICAL INFORMATION Shore D Hardness $\sim 60 (7 \text{ days}/23 ^\circ\text{C}/50 \% \text{ r.h.})$ (DIN 53505) Abrasion resistance $\sim 75 \text{ mg} (28 \text{ days}/23 ^\circ\text{C}/50 \% \text{ r.h.})$ (ASTM D 4060) Tensile strength $\sim 15 \text{ N/mm}^2 (14 \text{ days}/23 ^\circ\text{C}/50 \% \text{ r.h.})$ (DIN EN ISO 527-2) Tensile strain at break $\sim 120 \% (\text{resin} / 14 \text{days} / + 23 ^\circ\text{C} / 50 \% \text{ r.h.})$ (ISO 527-2) Tensile adhesion strength $>1.5 \text{ N/mm}^2 (failure in concrete)$ (EN 13892-8) Electrostatic behaviour Resistance to ground ¹ Rg < 10° Ω (IEC 61340-4-1) Typical average resistance Rg \$10 \Omega (DIN EN 1081) to ground ² 1 This product fulfils the requirements of ATEX 137 (DIN EN 1081) 1 This product fulfils the requirements of ATEX 137 (DIN EN 1081) (DIN EN 1081) 2 headings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor* MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION $\sim 2, 1-2, 3 \text{kg/m}^2$. These figures are theoretical and do not allow for any additional material due to surface porosity, surface prof	Solid content by mass	~100 %				
Shore D Hardness $\sim 60 (7 \text{ days}/23 \degree C/50 \% \text{ r.h.})$ (DIN 53505) Abrasion resistance $\sim 75 \text{ mg} (28 \text{ days}/23 \degree C/50 \% \text{ r.h.})$ (ASTM D 4060) Tensile strength $\sim 15 \text{ N/mm}^2 (14 \text{ days}/23 \degree C/50 \% \text{ r.h.})$ (DIN EN ISO 527-2) Tensile strain at break $\sim 120 \% (\text{resin} / 14 \text{ days} / +23 \degree C / 50 \% \text{ r.h.})$ (EN 13892-8) Electrostatic behaviour Resistance to ground ¹ $R_g < 10^{\circ} \Omega$ (IEC 61340-4.1) Typical average resistance $R_g < 10^{\circ} \Omega$ (DIN EN 1081) (DIN EN 1081) to ground ² 1 This product fulfits the requirements of ATEX 137 (2.8 dadings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor [®] MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION $\sim 2_1, -2_2, 3 \text{ kg/m^3}.$ These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor* MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature $+10 \degree \text{C min.} / +20 \degree \text{C max.} < 80 \% r.h$ <	Solid content by volume	~100 %				
Abrasion resistance ~75 mg (28 days/23 °C/50 % r.h.) (ASTM D 4060) Tensile strength ~15 N/mm² (14 days/23 °C/50 % r.h.) (DIN EN ISO 527-2) Tensile strain at break ~120 % (resin / 14 days / +23 °C / 50 % r.h.) (ISO 527-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground ¹ Rg < 10° Ω (IEC 61340-4.1) Typical average resistance Rg ≤ 10° Ω (DIN EN 1081) (DIN EN 1081) to ground² 1 This product fulfils the requirements of ATEX 137 2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Refer to the Sikafloor* MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Systems Refer to the Sikafloor* MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor* MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h *10 °C min. / +30 °C max. < 75 % r.h	TECHNICAL INFORMATION					
Tensile strength ~15 N/mm² (14 days/23 °C/50 % r.h.) (DIN EN ISO 527-2) Tensile strain at break ~120 % (resin / 14 days / +23 °C / 50 % r.h.) (ISO 527-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground¹ Rg < 10° Ω (IEC 61340-4-1) Typical average resistance Rg s 10° Ω (DIN EN 1081) (DIN EN 1081) to ground² 1 This product fulfils the requirements of ATEX 137 2. Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor* MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION ~2,1-2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor* MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h	Shore D Hardness	~60 (7 days/23 °C/50 % r.h.)	(DIN 53505)			
Tensile strain at break ~120 % (resin / 14 days / +23 °C / 50 % r.h) (ISO 527-2) Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground ¹ R _g < 10° Ω (IEC 61340-4.1) Typical average resistance R _g ≤ 10° Ω (DIN EN 1081) to ground ² 1 This product fulfils the requirements of ATEX 137 2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc For detailed information, refer to the system data sheet: Sikafloor® MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h	Abrasion resistance	~75 mg (28 days/23 °C/50 % r.h.)		(ASTM D 4060)		
Tensile adhesion strength >1,5 N/mm² (failure in concrete) (EN 13892-8) Electrostatic behaviour Resistance to ground¹ Rs < 10° Ω (IEC 61340-4-1) Typical average resistance Rg ≤ 10° Ω (DIN EN 1081) to ground² 1 This product fulfils the requirements of ATEX 137 2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface prosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul-tiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. /+20 °C max. < 80 % r.h +20 °C min. /+30 °C max. < 75 % r.h	Tensile strength	~15 N/mm² (14 days/23 °C/50 % r.h.)		(DIN EN ISO 527-2)		
Electrostatic behaviour Resistance to ground ¹ Re < 10° Ω	Tensile strain at break	~120 % (resin / 14 days / +23 °C / 50 % r.h)		(ISO 527-2)		
Typical average resistance $n_g = 10^{\circ} \text{ tr}$ Typical average resistance $R_g \le 10^{\circ} \Omega$ 1 This product fulfils the requirements of ATEX 137 2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor* MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor* MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h	Tensile adhesion strength	>1,5 N/mm ² (failure in concrete)		(EN 13892-8)		
to ground ² 1 1 This product fulfils the requirements of ATEX 137 2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m ² . These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h	Electrostatic behaviour	Resistance to ground ¹	R _g < 10 ⁹ Ω	(IEC 61340-4-1)		
2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement equipment. Chemical resistance Resistant to many chemicals. Contact Sika Technical Services for additional information. SYSTEM INFORMATION Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h			$R_g \le 10^6 \Omega$	(DIN EN 1081)		
information. SYSTEM INFORMATION Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul-tiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h		2 Readings may vary, depending on ambient conditions (i.e. temperature, humidity) and measurement				
Systems Refer to the Sikafloor® MultiFlex PS-32 ESD system data sheet APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® MultiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C max. < 75 % r.h	Chemical resistance					
APPLICATION INFORMATION Mixing ratio Part A : Part B = 81 : 19 (by weight) Consumption ~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul-tiFlex PS-32 ESD Layer thickness Wearing course: ~1,5 mm Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h	SYSTEM INFORMATION					
Mixing ratioPart A : Part B = 81 : 19 (by weight)Consumption~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul- tiFlex PS-32 ESDLayer thicknessWearing course: ~1,5 mmAmbient air temperature+10 °C min. / +20 °C max. < 80 % r.h +20 °C max. < 75 % r.h	Systems	Refer to the Sikafloor [®] MultiFlex PS-32 ESD system data sheet				
Consumption~2,1–2,3 kg/m². These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul- tiFlex PS-32 ESDLayer thicknessWearing course: ~1,5 mmAmbient air temperature+10 °C min. / +20 °C max. < 80 % r.h +20 °C max. < 75 % r.h	APPLICATION INFORMATION	N				
These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul- tiFlex PS-32 ESDLayer thicknessWearing course: ~1,5 mmAmbient air temperature+10 °C min. / +20 °C max. < 80 % r.h +20 °C max. < 75 % r.h	Mixing ratio	Part A : Part B = 81 : 19 (by weight)				
Ambient air temperature +10 °C min. / +20 °C max. < 80 % r.h +20 °C min. / +30 °C max. < 75 % r.h	Consumption	These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed information, refer to the system data sheet: Sikafloor® Mul-				
+20 °C min. / +30 °C max. < 75 % r.h	Layer thickness	Wearing course: ~1,5 mm				
Relative air humidity ~75–80 %	Ambient air temperature					
	Relative air humidity	~75–80 %				

PRODUCT DATA SHEET Sikafloor®-3240 ECF December 2021, Version 01.01 020812040020000103



Dew point	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity con- ditions increase the probability of blooming.					
Substrate temperature	+10 °C min. / +30 °C max.					
Substrate moisture content	≤4 % parts by weight. Test method: Sika®-Tramex meter, CM-measurement or Oven-dry-meth- od. No rising moisture according to ASTM (Polyethylene-sheet). Substrate visibly dry with no standing water.					
Pot Life	Temperatures		Time			
	+10 °C		~40 minutes			
	+20 °C		~30 minutes			
	+30 °C		~20 minutes			
Waiting time to overcoating	Before overcoating Sikafloor®-3240 ECF allow:					
	Substrate temperature Minimum		Maximum			
	•		~30 hours	~72 hours		
	+20 °C ~24 hours		~48 hours			
	+30 °C ~16 hours		~36 hours			
	Times are approximate and will be affected by changing ambient condi- tions particularly temperature and relative humidity.					
Applied product ready for use	Temperature	Foot traffic		Light traffic	Full cure	
	+10 °C	1 day	/	3 days	9 days	
	+20 °C	12 hours		2 days 5 days		
	+30 °C	8 hours		1 day	3 days	
	Times are approximate and will be affected be changing ambient and sub- strate conditions particularly temperature and relative humidity.					

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER INFORMATION

- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Sika Method Statement: Mixing & Application of Flooring Systems
- Sikafloor[®] Cleaning Regime

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor®-3240 ECF on substrates with rising moisture.
- After application, the products must be protected from damp, condensation and water for at least 24 hours. Uncured material reacts in contact with water (foaming). During application care must be taken that no 'sweat' drops into fresh Sikafloor®-3240 ECF (wear head and wrist bands).
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

- Colour variations are un-avoidable due to raw materials. It can occur in colour shades such as light grey, yellow or orange where colour variations due to the carbon fibre content may be visible. Carry out a preliminary trial to assess.
- Under direct sun radiation there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.
 For exact colour matching, ensure the Sikafloor®-
- For exact colour matching, ensure the Sikafloor[®]-3240 ECF in each area is applied from the same control batch numbers.
- Do not apply on substrates with a slope > 1 %.
- In smooth applications with UV exposure, use Sika-floor®- 305 W ESD as a seal coat.
- Under certain conditions, under floor heating or high ambient temperatures combined with high point loading, may lead to indentations in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Only start the application of Sikafloor®-3240 ECF after the conductive priming coat has completely dried tack-free. Otherwise there is a risk of wrinkling or affecting the conductive coating and performance properties.

BUILDING TRUST

PRODUCT DATA SHEET Sikafloor®-3240 ECF December 2021, Version 01.01 020812040020000103



- Layer thickness of wearing course: ~1,5 mm. Excessive thickness (more than 2,5 kg/m²) causes reduced conductivity.
- Sika does not assume any liability for possible changes in the composition of the recommended cleaning- and maintenance agents and their effects on the floor characteristics.
- If the floor is exposed to mechanical and / or chemical exposure, the conductivity must be controlled regularly. If wear and tear occurs in the final conductive coating of the Sikafloor®-3240 ECF, system must be refreshed. This must be coordinated with the authorized ESD-representative or equivalent.
- If maximum waiting time is exceeded, the surface must be appropriately prepared preferably by grinding to obtain a mechanical key between the layers.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum tensile strength of 1,5 N/mm².

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

Cementitious substrates must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to remove cement laitance and achieve an open textured gripping surface profile suitable for the product thickness. (Reference: CSP 3 International Concrete Repair Institute or equivalent). High spots can be removed by grinding.

Weak cementitious substrates must be removed and surface defects such as blow holes and voids must be fully exposed.

Repairs to the substrate, filling of cracks, blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials. Products must be cured before applying Sikafloor®-3240 ECF. All dust, loose and friable material must be completely removed from all surfaces before application of the product and associated system products, preferably by vacuum extraction equipment.

MIXING

Prior to mixing all parts, mix part A (resin) using a low speed double paddle electric stirrer (300–400 rpm) or other suitable equipment to mix liquid and all the coloured pigment until a uniform colour has been achieved. Add part B (hardener) to part A and mix part A + B continuously for 3,0 minutes until a uniformly coloured mix has been achieved. To ensure thorough mixing pour materials into a clean container and mix again for at least 1,0 minute to achieve a smooth consistent mix. Excessive mixing must be avoided to minimise air entrainment. During the final mixing stage, scrape down the sides and bottom of the mixing container with a straight edge trowel or spatula at least once to ensure complete mixing. Mix full units only. Mixing time for A+B = ~4,0 minutes.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity, dew point, substrate, air and product temperatures.

Pour mixed Sikafloor[®]-3240 ECF onto prepared substrate and spread evenly using a suitable trowel or pin leveller to the required thickness. If required smooth the surface again to achieve an aesthetically higher grade of finish. Spike roller (steel) immediately in two directions at right angles to each other passing only once in each direction to remove trowel marks, aid air release, ensure an even thickness and obtain the required surface finish.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika[®] Thinner C immediately after use. Hardened material can only be removed mechanically.

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-3240 ECF must have all spillages removed. Sika Method Statement: Sikafloor®-Cleaning Regime.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

PRODUCT DATA SHEET Sikafloor®-3240 ECF December 2021, Version 01.01 020812040020000103



BUILDING TRUST

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in guestion and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

Sika Danmark A/S Hirsemarken 5 3520 Farum Tlf. +45 48 18 85 85 www.sika.dk



PRODUCT DATA SHEET Sikafloor®-3240 ECF December 2021, Version 01.01 020812040020000103 Sikafloor-3240ECF-en-DK-(12-2021)-1-1.pdf

BUILDING TRUST

