



# KosFLOR

High Performance Concrete Protection



*Name Behind Quality*



## Surface Preparation

The key to a successful bonded topping, as with a coating, is proper surface preparation. Surface must be structurally sound, clean and free from oil, grease, wax and other contaminants. Creation of surface profile can be accomplished by a number of methods each utilizing a selection of tools, equipment and materials to accomplish the intended purpose. Selection is dependent upon the type of surface to be prepared and the type of system to be installed. The surface profile is the measure of the average distance from the peaks of the surface to the valleys as seen through a cross sectional view of the concrete. This dimension is defined pictorially and through physical samples in the ICRI Technical Guideline, and is expressed as a Concrete Surface Profile number (CSP 1-9)

- For general protective coating and sealing application from 4 to 10 mils in thickness, the surface profile shall be CSP 1, 2, or 3, typically accomplished through decontamination of the concrete surface defined in #1. above, followed by acid etching, grinding or light shot blast.
- For high-build coating application from 10 to 40 mils in thickness, the surface profile shall be CSP 3, 4, or 5, typically accomplished through decontamination of the concrete surface defined in #3. above, followed by light shot blast, light scarification or medium shot blast.
- For self-leveling topping application from 50 mils to 1/8" in. in thickness, the surface profile shall CSP 4, 5, or 6. These are typically accomplished through decontamination of the concrete surface defined in #4. above, followed by light scarification, medium shot blast or medium scarification.
- For slurry or mortar systems and other topping applications greater than 1/8", the surface profile shall CSP 5, 6, 7, 8, or 9. These are typically accomplished through decontamination of the concrete surface defined in #5. above, followed by medium shot blast, medium scarification, heavy abrasive blast, scabbled or heavy scarification.

Coating system to be applied	Concrete Surface Profile								
	CSP 1	CSP 2	CSP 3	CSP 4	CSP 5	CSP 6	CSP 7	CSP 8	CSP 9
Sealers, 0 to 3 mils (0 to 0.075 mm)									
Thin films, 4 to 10 mils (0.10 to 0.25 mm)									
High-build coatings, 10 to 40 mils (0.25 to 1.0 mm)									
Self-leveling toppings, 50 mils to 1/8 in. (1.25 to 3.0 mm)									
Polymer overlays, 1/8 to 1/4 in. (3.0 to 6.0 mm)									



## Areas Of Application



# PAINING SYSTEM GUIDE LINES

Code	Descriptions	Painting System	Areas of application
KOSFLOR FCS-1000	<b>Solvent-free 2-Component Epoxy Floor Coatings System</b>	KOSFLOR SF-P x 1 coat. (80 – 100 µm) KOSFLOR FC-150 x 2 coats. (160 – 200 µm) Recommended Thickness = min. 250 µm. max. 300 µm.	Medium duty industrial floor, assembly plant, multi-storey car park deck, workshop and etc.
KOSFLOR FCS-1010	<b>Solvent Based 2-Component Epoxy Floor Coatings System</b>	KOSFLOR SB-360 x 1 coat. (40 – 50 µm) KOSFLOR FC-450 x 2 coats. (100 – 110 µm) Recommended Thickness = min. 130 µm. max. 150 µm.	Light duty industrial floor, commercial buildings, warehouses, walk pave and etc.
KOSFLOR FCS-1020	<b>Water Based 2-Component Epoxy Floor Coatings System</b>	KOSFLOR P-250 WB x 1 coat. (40 – 50 µm) KOSFLOR FC-260 x 2 coats. (90 – 100 µm) Recommended Thickness = min. 130 µm. max. 150 µm.	Light duty industrial floor, commercial buildings, warehouses, walk pave and etc.
KOSFLOR FCS-1030	<b>UV Stable 2-Component Polyurethane Floor Coatings System</b>	KOSFLOR SB-360 x 1 coat. (40 – 50 µm) KOSFLOR FC-350 x 2 coats. (100 – 110 µm) Recommended Thickness = min. 130 µm. max. 150 µm.	Light duty industrial floor, commercial buildings, warehouses, walk pave and etc.
KOSFLOR FCS-1040	<b>Non-slip Textured Finish Epoxy Floor Coatings System</b>	KOSFLOR SB-360 x 1 coat. (40 – 50 µm) KOSFLOR AST-490 x 2 coats. (130 – 150 µm) Recommended Thickness = min. 150 µm. max. 200 µm.	Medium duty industrial floor, workshop, multi-storey car park deck, pedestrian walk pave and etc.
KOSFLOR FCS-2000	<b>Solvent-free Self-smoothing Flooring System</b>	KOSFLOR SF-P x 1 coat. (80 – 100 µm) KOSFLOR SL-200 x 2 coats. (1,500 – 2,000 µm) Recommended Thickness = min. 1.5 mm max. 2.0 mm	Medium duty industrial floor, assembly plant, multi-storey car park deck, commercial buildings, workshop and etc.
KOSFLOR FCS-2100	<b>Water Based Self-smoothing Flooring System</b>	KOSFLOR P-250 WB x 1 coat. (60 – 80 µm) KOSFLOR SL-261 WB x 2 coats. (1,300 – 1,500 µm) Recommended Thickness = min. 1.3 mm max. 1.5 mm	Medium duty industrial floor, basement car park deck, assembly plant, workshop, food processing industry, commercial buildings and etc.
KOSFLOR FCS-3400	<b>Self-smoothing Polyurethane Flooring System (MF-CPU)</b>	KOSFLOR P-250 WB x 1 coat. (60 – 80 µm) KOSFLOR MF-CPU x 2 coats. (4,000 – 6,000 µm) Recommended Thickness = min. 4.0 mm max. 6.0 mm	Heavy duty industrial floor, assembly plant, food processing industry and etc.
KOSFLOR FCS-3600	<b>Self-smoothing Polyurethane Flooring System (HD-CPU)</b>	KOSFLOR P-250 WB x 1 coat. (60 – 80 µm) KOSFLOR HD-CPU x 2 coats. (6,000 – 9,000 µm) Recommended Thickness = min. 6.0 mm max. 9.0 mm	Heavy duty industrial floor, assembly plant, food processing industry, cold room and etc.
KOSFLOR FCS-5000	<b>Epoxy Mortar System with Solvent-free Epoxy Coating System</b>	KOSFLOR SF-P x 1 coat. (80 – 100 µm) KOSFLOR SC-500 x 1 coat. (4,000 – 5,000 µm) KOSFLOR FC-150 x 2 coats. (150 – 200 µm) Recommended Thickness = min. 4.0 mm max. 5.0 mm	Heavy duty industrial floor, aircraft hangar, basement car park deck, assembly plant, warehouse, workshop, commercial buildings and etc.
KOSFLOR FCS-5100	<b>Epoxy Mortar System with Self-smoothing Epoxy Flooring System</b>	KOSFLOR SF-P x 1 coat. (80 – 100 µm) KOSFLOR SC-500 x 1 coat. (4,000 – 5,000 µm) KOSFLOR SL-200 x 2 coats. (1,500 – 2,000 µm) Recommended Thickness = min. 6.0 mm max. 7.0 mm	Heavy duty industrial floor, clean room, aircraft hangar, basement car park deck, assembly plant, warehouse, workshop, commercial buildings and etc.

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## PRIMER

- KOSFLOR SB-360 2-Component Solvent Based Epoxy Primer
- KOSFLOR SF-P 2-Component Solvent-Free Epoxy Primer
- KOSFLOR P-250 WB 2-Component Water Based Epoxy Primer
- KOSFLOR P-250 AS 2-Component Water Based Conductive Epoxy Primer

## UNDERLAYMENT / MOISTURE BARRIER

- KOSFLOR SC-500 3-Component Epoxy Mortar Screed
- KOSFLOR HC-816 3-Component Self-smoothing Epoxy Moisture Barrier

## FINISH / TOPPING

- KOSFLOR FC-150 2-Component Solvent-Free Epoxy Coating
- KOSFLOR SL-200 2-Component Solvent-Free Self-smoothing Epoxy Topping
- KOSFLOR SL-200 AS 2-Component Solvent-Free Self-smoothing ESD Topping
- KOSFLOR FC-260 2-Component Water Based Epoxy Coating
- KOSFLOR SL-261 WB 2-Component Water Based Self-smoothing Epoxy Topping
- KOSFLOR FC-450 2-Component Solvent Based Epoxy Coating
- KOSFLOR SB-466 2-Component High Solids Epoxy Coating
- KOSFLOR AST-490 2-Component Non-slip Texture Epoxy Coating

## POLYURETHANE FINISH / TOPPING

- KOSFLOR FC-350 2-Component Solvent Based Polyurethane Coating
- KOSFLOR FC-359 2-Component High Solid Polyurethane Coating
- KOSFLOR MF-CPU 3-Component Self-smoothing Polyurethane Floor Topping
- KOSFLOR HD-CPU 4-Component Heavy Duty Polyurethane Floor Topping

# KOSFLOR COLOURS



Ivory RAL 1014



Light Green RAL 6027



Pastel Green RAL 6019



Light Blue RAL 5012



May Green RAL 6017



Brilliant Blue RAL 5007



Grass Green RAL 6010



Dusty Grey RAL 7037



Traffic Grey A RAL 7042



Light Grey RAL 7035



Pale Green RAL 6021



Orange Brown RAL 8023



Brown Red RAL 3011



Stone Grey RAL 7030



★ Yellow Green RAL 6018



★ Traffic Orange RAL 2009



★ Signal Red RAL 3001



★ Traffic Yellow RAL 1023



## ★ Premium colours

\* The colours shown in this colour card are as close as possible to the actual paint colours as per modern printing techniques allow.

\* Special colour available upon request.

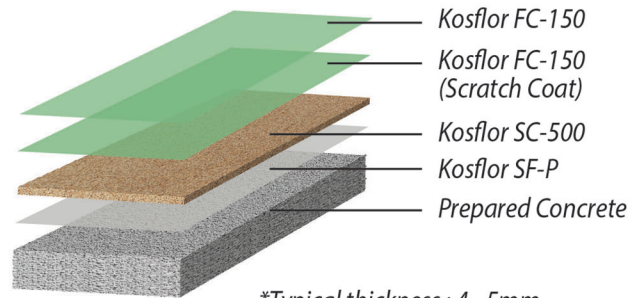
# INDUSTRIAL FLOORING

## PROCESSING LINE



### KOSFLOR FCS 5000

Epoxy Mortar System with Solvent-free Epoxy Coating System



\*Typical thickness : 4 - 5mm

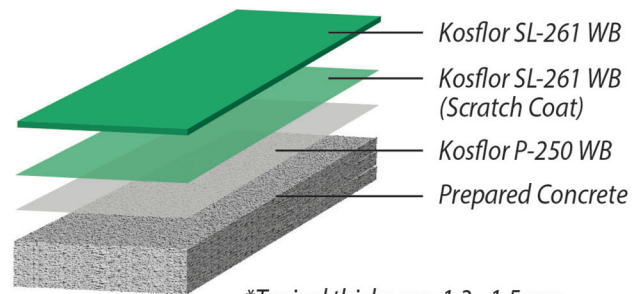


## WAREHOUSE



### KOSFLOR FCS 2100

Water Based Self-smoothing Flooring System



\*Typical thickness : 1.3 - 1.5mm

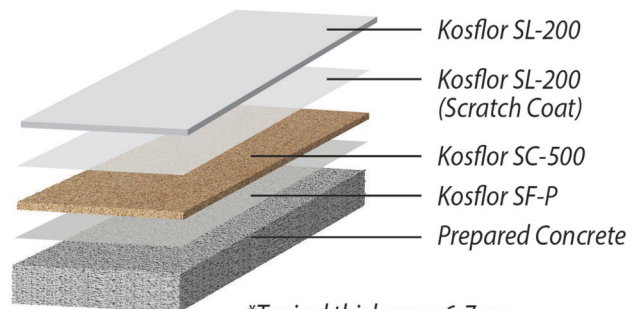


## CLEAN ROOM



### KOSFLOR FCS 5100

Epoxy Mortar System with Self-smoothing Epoxy Flooring System



\*Typical thickness : 6-7mm



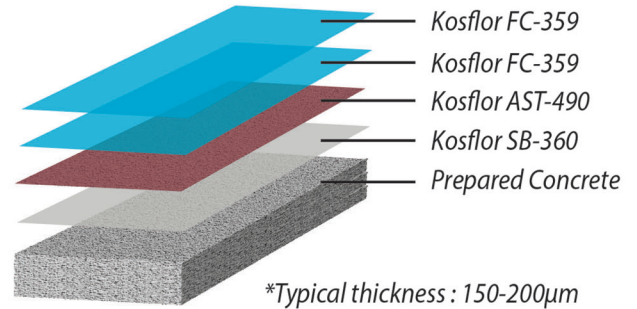
# CAR PARK FLOORING

## EXPOSED DECK



### KOSFLOR FCS 1041

UV Stable Non-slip Polyurethane Floor Coating System

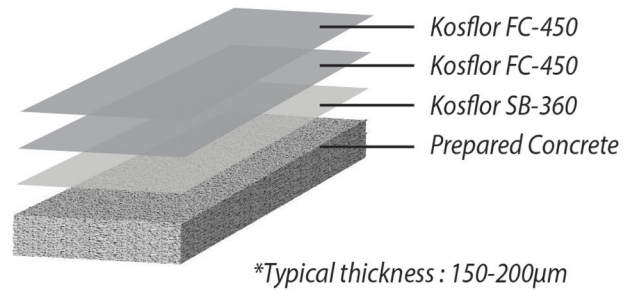


## INTERMEDIATE



### KOSFLOR FCS 1010

Solvent Based 2-Component Epoxy Floor Coatings System

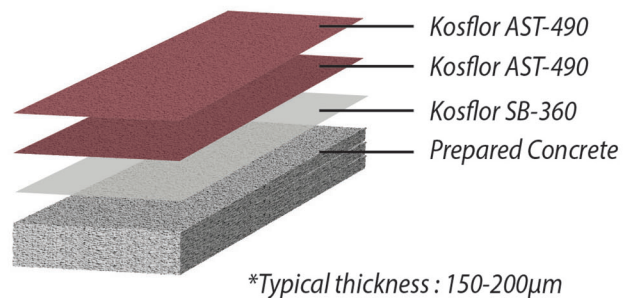


## CAR PARK BAY



### KOSFLOR FCS 1040

Non-slip Textured Finish Epoxy Floor Coatings System





**KOSSAN PAINT (M) SDN BHD**  
**KOSSAN PAINT MARKETING SDN BHD**

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