

TECHNICAL DATA SHEET

FLOORGUARD 230

FLOORGUARD CLEAR SEALER

DESCRIPTION: A two component, epoxy polyamide sealer with excellent penetrating properties into porous surface.

RECOMMENDED USE: As sealer coat for concrete floors and walls prior to the application of subsequent floor coating system. Excellent as an anti dusting coating on concrete floors subject to light foot and vehicle traffic.

RESISTANCE TO:

Moisture – Excellent	Abrasion – Excellent
Abrasion – Excellent	Aliphatic Solvents – Excellent
Petroleum Solvents – Excellent	

PRODUCT INFORMATION:

Colour: clear
Finish: Glossy
Volume solids %: 42 ± 2 % (ASTM-D2697-86)
V.O.C.: 470 g/l (NB.Thinning will affect VOC compliance and volume solids)
Typical thickness: 30 - 50 microns
Theoretical coverage: 14 m²/ Litre @ 30 microns DFT
Density: 0.98 ± 0.02 g/cc (mixed)
Flash point: Base : 32°C C/A : 32°C
Mixing ratio: 4 : 1 by volume
Shelf life: 24 months from the date of manufacture.
Pot life: 6 hours @ 35°C
Pack size: 20 & 5 litres unit when mixed

FILM THICKNESS AND SPREADING RATE:	MIN.	MAX.	UNIT
Dry film thickness	30	50	µm
Wet film thickness	59.5	71.4	µm
Spreading rate	14	8.4	m ² /l (theoretical)

This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

SERVICE TEMPERATURE: 120°C Maximum Dry.

DRYING & CURING TIME:

SUBSTRATE TEMPRATURE	15°C	23°C	35°C
Touch dry	3 hours	2 hours	1 hours
Dried to over coat (minimum)	6 hours	4 hours	3 hours
Hard dry	12 hours	10 hours	8 hours

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RECOMMENDED THINNER: Thinner No.5 (10%)

SURFACE PREPARATION:

Remove all oil and grease in accordance with SSPC-SP1. manually prepared surfaces should be prepared in accordance with SSPC-SP3 or SSPC-SP2

RECOMMENDED COATING SYSTEM:

PRIMER	FLOORGUARD 230
PUTTY	PERMAFILL F 202 / PERMAFILL F 303
TOPCOATS	FLOORGUARD 460 / FLOORGUARD 5000 / FLOORGUARD 5001

RECOMMENDED APPLICATION METHODS:

Brush		Roller	
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APPLICATION CONDITIONS AND OVER COATINGS:

New concrete should be allowed to cure for a minimum of 30 days and have a moisture content of less than 5%. Very dense, non-porous or chemically treated concrete may require acid etching, abrasive blasting or sanding for optimum adhesion. This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C. At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired. Application at ambient air temperatures below 5°C is not recommended.

HEALTH AND SAFETY:

Please observe the precautionary notices displayed on the container. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Consult Product Health and Material Safety Data Sheet for information on safe storage, handling and application of this product.

Disclaimer: The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

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