

BREATHABLE EPOXY FLOORING SYSTEMS

Floor Coatings for Industrial Applications





What loads must your floor withstand?



Light Duty – LD
e.g. foot traffic



Medium Duty – MD
e.g. hand pallet trucks



Heavy Duty – HD
e.g. dynamic loads through fork lift traffic



Very Heavy Duty – VHD
e.g. through heavy point loads

Suitable for many substrates

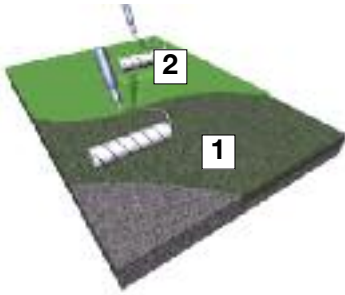
Cement screed, diamond ground	
Cement screed, enclosed shot blasting	
Anhydrite screed* (*refer to Remmers UK technical department)	
Levelling compound, pumped polymer screed	
Concrete, enclosed shot blasting	

Fresh concrete, enclosed shot blasting	
Substrates with residual moisture	
Old epoxy coatings	
Old tiles (only indoors / not permanently wet areas)	

Key characteristics of Epoxy BS 3000 New

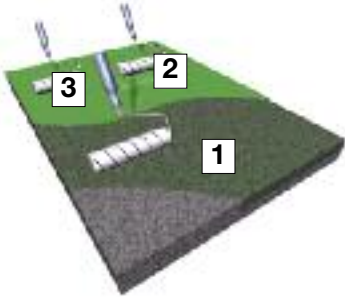
- 2 component water based epoxy resin
- High volume solids (68%)
- Excellent abrasion resistance
- Breathable
- Wide application range
- Good colour range
- Resistant to a wide range of chemicals
- Silk gloss or matt finish

A site specific material proposal can be provided for your individual project – please contact RUK technical department for further information.



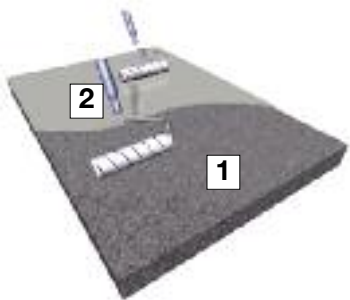
Floor Coating

1. Apply the primer **Epoxy BS 2000 New / Epoxy BS 3000 M / SG New** with an epoxy roller
2. Apply the seal coat **Epoxy BS 3000 M/SG New** with an epoxy roller



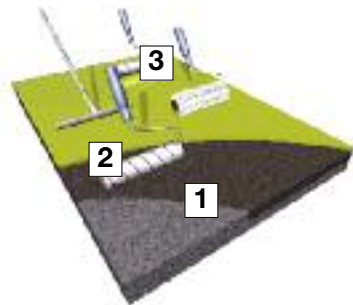
High Build Coating

1. Apply the primer **Epoxy BS 2000 New** with an epoxy roller.
2. Apply an intermediate coat of **Epoxy BS 3000 M/ SG New** with an epoxy roller.
3. Apply the seal coat **Epoxy BS 3000 M/SG New** with an epoxy roller.



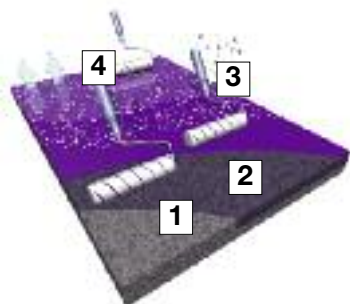
Slip Resistant Floor Coating (R 12)

1. Apply the primer **Epoxy BS 2000 New** (incorporating **Add 250**) with an epoxy roller.
2. Apply the seal coat **Epoxy BS 3000 M/SG New** (incorporating **Add 250**) with an epoxy roller.



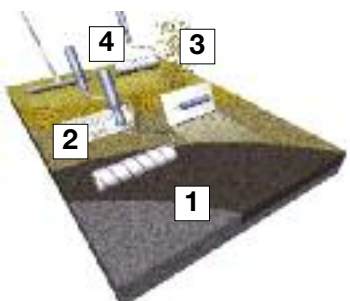
Flow Applied Flooring (2 mm)

1. Apply the primer **Epoxy BS 2000/Epoxy BS 3000 New** with an epoxy roller.
2. Apply the flow coating **Epoxy BS 3000 SG New** with **Selectmix SBL** using a trowel then de-air with a spiked roller.
3. Apply the seal coat **Epoxy BS 3000 M/SG New** with an epoxy roller.



Decorative Floor coating < 0,5 mm

1. Apply the primer **Epoxy BS 2000 New** with an epoxy roller.
2. Apply a coating of **Epoxy BS 3000 SG New** with an epoxy roller.
3. Contrast blinding with **ArticoFlakes**.
4. Apply the seal coat **PUR Aqua Top 500 2K M**.



Decorative Floor Coating

1. Apply the primer **Epoxy BS 2000 New** with an epoxy roller.
2. Apply the base layer **Epoxy BS 3000 SG New**.
3. Fully Broadcast blinding with **Colorid Flakes**.
4. Seal twice with **PUR Aqua Top 500 2K M**.



Water based



Roller



Physiologically safe

FeRFA Type 2 / 3



Water based



Roller



Physiologically safe

FeRFA Type 3



Water based



Roller



Physiologically safe

FeRFA Type 3



Water based



Flow coating



Roller



Physiologically safe

FeRFA Type 5



Water based



Roller



Physiologically safe

FeRFA Type 3



Water based



Roller



Physiologically safe

FeRFA Type 4

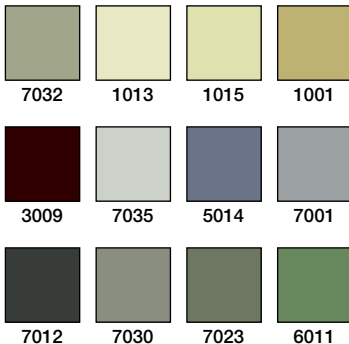
Types of synthetic resin flooring

Type	Name	Description	Duty	Typical Thickness
1	Floor seal	Applied in two or more coats Generally solvent or waterborne	LD	Up to 150 µm
2	Floor coating	Applied in two or more coats Generally solvent free	LD / MD	150 µm to 300 µm
3	High build Floor coating	Applied in two or more coats Generally solvent or free	MD	300 µm to 1000 µm
4	Multi layer flooring	Aggregate dressed systems based on multiple layers of floor coatings or flow-applied floorings, often described as “sandwich” systems	MD / HD	> 2 mm
5	Flow applied flooring	Often referred to as “self-smoothing” or “self- levelling” flooring and having a smooth surface	MD / HD	2 mm to 3 mm
6	Resin screed flooring	Trowel-finished, heavily filled systems, generally incorporating a surface seal coat to minimize porosity	MD / HD	> 4 mm
7	Heavy duty flowable flooring	Having a smooth surface	HD / VHD	4 mm to 6 mm
8	Heavy duty Resin flooring	Trowel-finished, aggregate filled systems effectively impervious throughout their thickness	VHD	> 6 mm



Table from: “Guide to the Selection of Resin Flooring”, published by FeRFA 2001 & BS 8204-6 (6.2)

Industrial colour collection



Epoxy BS 3000 SG is available in standard colours. Additional colours from RAL and BS Colour ranges are also available upon request. Please contact Remmers UK Technical Department for further information. Individual flooring samples can be provided subject to availability.

Important Note: The above colours are for illustrative purposes only and are an approximation of the true colours. The quality, type and settings of the output device used to display this page will also affect the visible colour.

