

pharmaceutical facilities flooring guide

a big **hello** from vebro

Vebro Polymers is a global supplier of polymer flooring solutions, specialist coatings, pump screeds, rapid-drying screed additives and car park deck wearing and waterproofing solutions.

Our products and systems have been expertly designed for use in a wide variety of applications.

We can also provide specialist materials for use on fast turnaround new-build or renovation projects as well as those required for external applications or subfloor preparation prior to the installation of final finishes.

industries we serve




 industrial & manufacturing



 food & beverage



 multi-storey car parks



 commercial venues



 prison buildings



 shopping centres



 institutional buildings




 mixed-use developments



 transport & infrastructure



 external areas

our **big** promise

Vebro Polymers has been formed by like-minded individuals who have hundreds of years' combined experience in the polymer flooring, coatings and construction chemicals industry.

The company was founded on a simple service promise to customers, which aims to provide the best quality, agility and reliability in the industry.



Quality



Agility



Reliability

global team, local expertise

Founded in the UK, Vebro Polymers has grown, establishing hub HQs and partnerships to serve local markets across the world.



polymer flooring explained

what is polymer flooring?

Polymerisation is, in short, a chemical reaction between multiple components to create a polymer.

Although the components of a polymer floor are primarily liquid (other than added decorative flakes, filler aggregates, texturising sand or anti-slip quartz beads), the chemical reaction results in a hard, durable surface.

There are different types of polymer flooring, each with its own unique performance characteristics.

Technology	Best for...
Epoxy	Applications where durability and chemical resistance are required
Polyurethane	Applications where elasticity, impact resistance and UV stability are required
Polyurethane Concrete	Heavy-duty applications and areas of thermal shock
Comfort PU Liquid Vinyl	Commercial applications where design and improved indoor environmental quality are of high importance

Methyl Methacrylate (MMA)	Speedy applications, where a quick turnaround is required
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how is polymer flooring installed?

The first, and arguably most important, step in the installation of a resin floor system is preparation. The applicator will ensure that the substrate is smooth, level and free of contaminants like dust, oils or grease that may affect the integrity of the final finish.

Once the substrate is ready, resin flooring materials are installed by experienced applicators in layers. Depending on the type of floor system being installed, this process often starts with a primer layer, then body coats and sealers where necessary, ensuring each coat has cured to the appropriate degree before moving on to the next.

benefits of seamless resin vs. alternative floor finishes



Seamless impervious finish, prevents the build-up of dirt in grout lines or at trims



Hardwearing and durable finishes that withstand frequent heavy foot traffic



Easy to clean, simply wipe away spillages with a damp cloth or mop



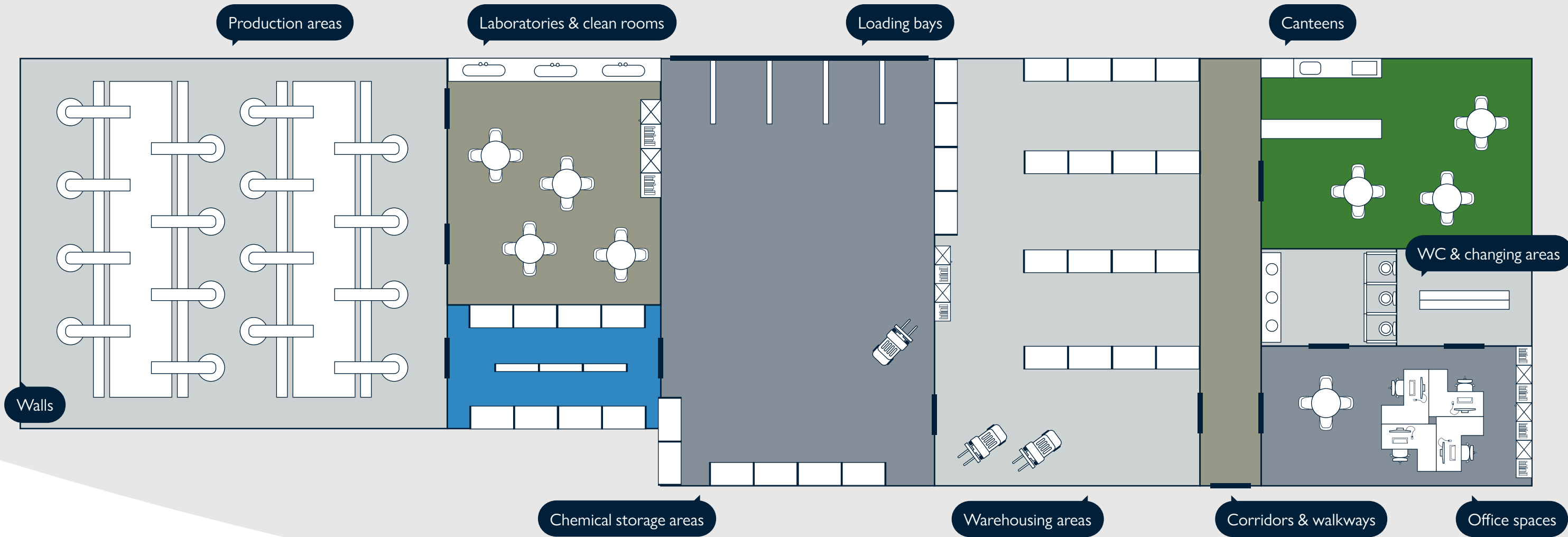
Slip resistant finishes that reduce the risk of slips and trips across the facility



Low maintenance and easy to repair, reducing costly and disruptive shutdowns



AgBB certified low emissions coatings ideally suited to pharmaceutical facilities



pharmaceutical floor systems selector

Each of Vebro Polymers' range of floor systems has been specifically designed to meet various service criteria.

For that reason, we've put together our recommended floor systems for each area of pharmaceutical production & processing facilities.

Vebro Polymers Floor System	Production areas	Laboratories & clean rooms	Loading bays	Warehousing areas	Chemical storage areas	Canteens	WC & Changing areas	Office Spaces	Corridors & walkways	Walls
vebrores EP HBC	✓									✓
vebrores EP HBC HCR					✓					
vebrores EP SL2	✓	✓					✓		✓	
vebrores EP SC (Satin)										✓
vebrores EP Flake						✓	✓	✓		
vebrocrete MF			✓	✓						

pharmaceutical floor systems guide

Ranging from low-emissions coatings, through to fast cure MMA and heavy duty, chemical resistant PU concrete finishes, Vebro Polymers offers a complete range of resin flooring materials for pharmaceutical facilities.

what does it all mean?

Throughout this floor system guide, you will see a number of icons relating to the installation and performance features of each system recommended for pharmaceutical facilities. Here's what they all mean...



Application thickness



FeRFA type



Working time



Time before light foot traffic



Full chemical curing time at 20°C

technically speaking...

Looking for technical information?
Full technical profiles can be found in Vebro Polymers' technical datasheets.

For the most recent technical datasheets and standard system specifications, please visit vebropolymers.com

high performance epoxy systems

vebrores EP HBC

- 1 vebro EP Primer
- 2 vebro EP Universal (2 coats)

best for production areas, corridors & walkways

0.35 mm 16 hrs 7 days



vebrores EP HBC HCR

- 1 vebro EP Primer
- 2 vebro EP Universal HCR (2 coats)

best for chemical storage areas

0.3 mm 16 hrs 7 days



vebrores EP SL2

- 1 vebro EP Primer (2 coats)
- 2 vebro EP SL

best for production areas, laboratories & clean rooms, WVC & changing areas, corridors

2.0 mm 18 hrs 7 days

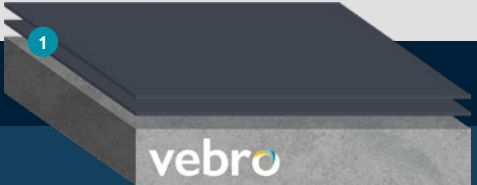


vebrores EP SC (Satin)

- 1 vebro EP Sealer (2 coats)

best for walls

0.15 mm 12 hrs 48 hrs



high build & self-smoothing coatings colours

Iron Grey (RAL 7011)

Dusty Grey (RAL 7037)

Window Grey (RAL 7040)

Light Grey (RAL 7035)

Oxide Red (RAL 3009)

Grass Green (RAL 6010)

decorative industrial systems

vebrores EP Flake

1 vebro EP Primer

2 vebro EP Universal

3 vebro Coloured Flake Blends

4 vebro EP Grout (Clear)


5 vebro PU UV Seal (Gloss)

best for canteens, WC & changing areas, office spaces

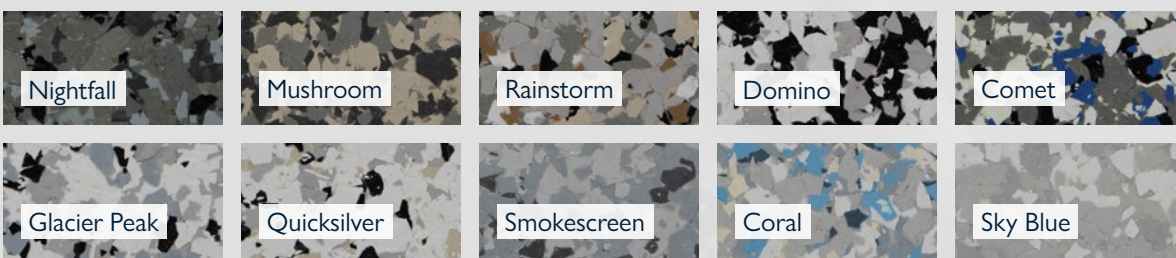
1.0 mm

12 hrs

48 days



core flake blends



polyurethane concrete

vebrocrete MF

1 vebrocrete PU Primer or vebrocrete PU MF


2 vebrocrete PU MF

best for loading bays, warehousing areas

3.0 – 4.0 mm

12 hrs

7 days



polyurethane concrete colours



pharmaceutical flooring in action...

Vebro Polymers' range of high performance polymer flooring is ideally suited to a variety of pharmaceutical applications, and has been chosen by clients across the globe, including...



Pharmaceutical machinery manufacturer

Warehouse loading bays

Research facility



vebropolymers.com

Please note: the information in this guide is subject to change and the most recent technical data should be sought for accurate, up-to-date product or system information. Errors & omissions excepted. The applied colours may differ from the examples shown within this guide. Actual samples should always be viewed before making a final decision, especially if colour accuracy or matching is key to your decision.

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