

# data centres flooring guide

a big **hello** from vebro

Vebro Polymers is a supplier of polymer flooring, specialist coatings, pump screeds, rapid-drying screed additives and car park deck wearing solutions. Our products and systems have been expertly designed for use in a wide variety of applications including...



Industrial & Manufacturing



Food & Beverage Processing



Multi-Storey Car Parks



Commercial Venues



Retail & Shopping Centres



Institutional Buildings



Mixed-use Developments



Transport & Infrastructure

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

## our big promise



Quality



Agility



Reliability

Vebro Polymers has been formed by like-minded individuals who — at the time — had over 200 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.

**vebro**polymers.com

## peace of mind throughout your project

Vebro Polymers is proud to work with a select group of applicator partners in its local territories — a network of approved specialist resin flooring contractors who we're confident will follow the appropriate preparation and application methods to deliver a fit-for-purpose, long-lasting floor in your facility.

## global team, local expertise

Founded in the UK, Vebro Polymers has grown to serve local markets across the world. For local contact information, visit **vebro**polymers.com

## our STAR+ approach

The team at Vebro Polymers are committed, right from the beginning of your flooring project through to aftercare. We work closely with our applicator partners to deliver on all the key stages of your project.



### site survey & specification

Before any flooring works begin on site, the Vebro team, or one of our partners, will visit the site to complete a detailed and thorough site survey. This will allow our technical experts to produce a bespoke flooring specification that not only delivers on your specific service criteria, but also takes into consideration the substrate, condition, budget and construction schedules.



### tracking

The team at Vebro understands the importance of each key stage in flooring application. That's why we work closely with our applicator partners throughout each project to ensure that every stage is delivered to the highest of standards.



### application

At Vebro Polymers, we only work with experienced, trusted applicator partners and we're confident in their ability to install a fit-for-purpose floor coating system that meets the service criteria of your facility.



### review

Once the floor is installed on site, our team will ensure everything is completed to our high standards and, all packaging waste is correctly disposed of in line with government regulations and the floor is turned over to the client or follow-on trades.



### +aftercare

Floor maintenance requirements will differ depending on your specific environment, the type of floor installed and how it is used each day. We work alongside our applicator partners to share with you the best practice for keeping your floor in top condition.

# 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 finish with a robust sealer that withstands frequent traffic



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



Fast cure MMA systems available that can be installed overnight — walk on in just 60 minutes



Antistatic dissipative and conductive systems available to suit requirements



Wide range of finishes available to suit every area throughout the data centre





# data centres floor systems guide

From antistatic dissipative and conductive coatings for server and plant rooms and epoxy floor systems for back of house areas, through to fast cure MMA and deck coating systems — not forgetting epoxy terrazzo — Vebro Polymers offers a full range of floor options for data centres.

Vebro Polymers' range of epoxy, polyurethane and MMA flooring and deck coating systems are available in a wide range of standard, non-standard and premium colours. For your copy of the Vebro Polymers Colour Bible, visit [vebropolymers.com](http://vebropolymers.com).



## 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 industrial facilities and warehouse units. 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](http://vebropolymers.com)

# antistatic dissipative & conductive floor coating systems

## vebrostatic ESD SL (Conductive / Dissipative)

**vebrostatic ESD SL** is a pigmented, solvent-free, self-smoothing, epoxy flooring system, designed to either gradually dissipate electrostatic discharge (Dissipative) or immediately dissipate electrostatic discharge in highly sensitive areas (Conductive).

Both conductive and dissipative systems are suited to use in areas subject to fire and explosion risk, including flammable solvent stores.

**vebrostatic ESD SL (Conductive)** meets EN 1081, EN 61340-5-1.  
**vebrostatic ESD SL (Dissipative)** meets EN 61340-5-1, EN 61340-4-1 & EN 61340-4-5.



best for server rooms

1.0 – 2.0 mm

20–25 mins

24 hrs

28 days



- 1 **vebro** EP Primer
- 2 Self-adhesive copper tape
- 3 **vebro** EP ESD Primer
- 4 **vebro** EP ESD SL (Conductive) or **vebro** EP ESD SL (Dissipative)
- 5 **vebro** PU ESD Seal (Matt)

## vebrostatic ESD Quartz (Conductive)

**vebrostatic ESD Quartz (Conductive)** is a decorative, quartz-based, epoxy flooring system, designed to immediately dissipate electrostatic discharge in highly sensitive areas.

**vebrostatic ESD Quartz (Conductive)** is used in areas subject to fire and explosion risk, including flammable solvent stores.

Meets EN 1081, EN 61340-5-1; 5×10<sup>4</sup> – 1×10<sup>9</sup> Ω.



best for plant rooms

4.0 mm

20–25 mins

24 hrs

5 days



- 1 **vebro** EP Primer
- 2 Self-adhesive copper tape
- 3 **vebro** EP ESD Primer
- 4 **vebro** EP ESD Quartz Binder with **vebro** Quartz Filler 0 & **vebro** Quartz Filler 2
- 5 **vebro** EP ESD Coloured Quartz Blends
- 6 **vebro** UR ESD Seal (Clear Gloss)

# epoxy floor coating systems

### vebrores EP SC

- 1 vebro EP Sealer (Gloss or Matt) (2 coats)

best for general storage

0.12 mm

~40 mins

6 hrs



### vebrores EP HBC

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

best for plant rooms

0.35 mm

~20 mins

16 hrs

7 days



### vebrores EP SL

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

For loading bays, enhanced slip resistance can be achieved with vebrores EP SL SR.


best for corridors & walkways

2.0 – 4.0 mm

~60 mins

16 hrs

7 days



looking for colours? vebrores systems are available in a range of Standard, Non-Standard and Premium colours. For more information, visit [vebropolymers.com](https://vebropolymers.com)

# fast cure MMA floor coating systems

### vebro speed Flake

vebro speed Flake is a highly decorative and durable UV-stable flooring system based on ultra fast-curing MMA (methyl methacrylate) resin technology.

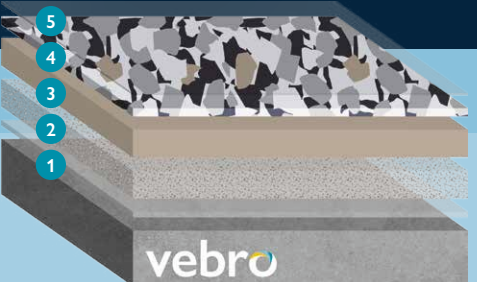
Please note: Coving is available.

best for canteens & WC

2.0 – 4.0 mm

1 hr

2 – 3 hrs



- 1 vebro MMA Primer
- 2 vebro Natural Quartz
- 3 vebro MMA Binder with vebro MMA Pigment & vebro MMA Filler
- 4 vebro Coloured Flake Blends
- 5 vebro MMA Seal (Clear Silk)

### standard vebro speed Flake blends

Dirty Martini	Tom Collins	Dark & Stormy	White Russian	Black Magic
Long Island Iced Tea	Espresso Martini	Cuba Libre	Blue Lagoon	Lotus Martini

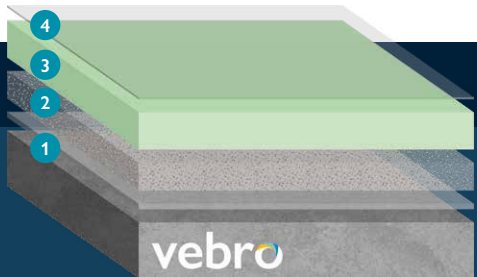
looking for a different colour? Custom flake blends are available for vebro speed Flake! For more information, visit [vebropolymers.com](https://vebropolymers.com)



# comfort floor coating systems



## vebroflex Comfort UV Plus



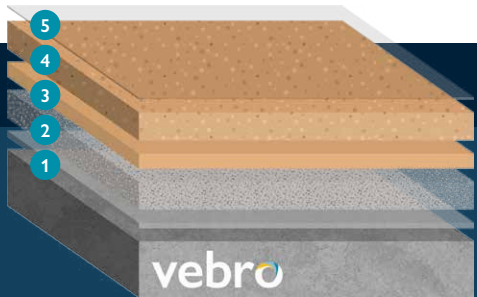
**vebroflex** Comfort UV Plus is a seamless, flexible, polyurethane comfort resin flooring system with a clear UV seal coat for enhanced colour stability.

**vebroflex** Comfort UV Plus is a liquid-applied alternative to vinyl floor coverings, providing a hygienic finish and an elastic cushioning effect underfoot.

- 1 **vebro** EP Primer
- 2 **vebro** 52 Silica Sand
- 3 **vebroflex** PU SL UV Plus
- 4 **vebroflex** PU UV WB Seal (Clear Matt)

best for offices 2.0 – 3.0 mm

## vebroflex Decorative UV Plus



**vebroflex** Decorative UV Plus is a seamless, decorative, polyurethane comfort resin flooring system with a clear UV seal coat for enhanced colour stability.

**vebroflex** Decorative UV Plus is a liquid-applied alternative to vinyl floor coverings, providing a hygienic finish and an elastic cushioning effect underfoot.

- 1 **vebro** EP DPM Plus
- 2 **vebro** Natural Quartz
- 3 **vebroflex** PU SL
- 4 **vebroflex** PU SL Decorative
- 5 **vebroflex** PU UV WB Seal Decorative (Matt)

best for offices, canteens & lobbies 3.0 – 4.0 mm

# solid colours available

**vebroflex** solid colour finish systems are available in an unlimited palette of standard, non-standard and premium RAL Classic colours.

Below is just a snapshot of the colours available. For a full breakdown of the colours available in each of the **vebroflex** systems, contact your local Vebro Polymers team.

Beige RAL 1001	Brown Beige RAL 1011	Oyster White RAL 1013	Black Grey RAL 7021	Concrete Grey RAL 7023
Graphite Grey RAL 7024	Light Grey RAL 7035	Dusty Grey RAL 7037	Agate Grey RAL 7038	Traffic Black RAL 9017

# flexible with the finish too...

Not only are **vebroflex** systems available in an unlimited palette of RAL colours, they're also available in solid, decorative and motion finish options.

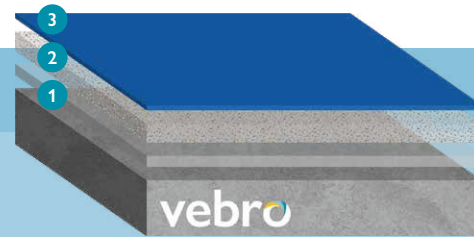
<b>solid colour finish</b> Available in an unlimited palette of RAL Classic colours	<b>decorative finish</b> Incorporates decorative quartz micro chippings	<b>motion finish</b> Mixes two or more colours to create a marbling effect
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## deck coatings & linemarking

## vebrodeck ID

**vebrodeck ID** is a durable, economical, hybrid resin deck wearing system, suitable for use on driveways and loading bays.



- 1 **vebro** PU SC
- 2 **vebro** Natural Quartz
- 3 **vebro** EP Universal

Light Grey RAL 7035	Agate Grey RAL 7038	Dusty Grey RAL 7037	Graphite Grey RAL 7024	Grass Green RAL 6010*	Golden Yellow RAL 1004*	Tomato Red RAL 3013*	Traffic Blue RAL 5017*
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**best for** loading bays

2.0 mm

16 hrs

 7 days

## vebrodeck PU Linemarker

**vebrodeck** PU Linemarker is a pigmented, roller applied linemarker for use in conjunction with **vebrodeck** systems.



- 1 vebrodeck PU Linemarker**

Light Grey	Mid Grey	Dark Grey	Red	Yellow	Green	Blue*	Safety Yellow*
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**best for** loading bays

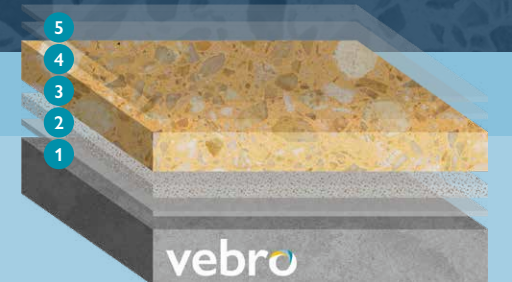
↑ 0.1 – 0.2 mm

 ~40 mins ~12 hours

seamless epoxy **terrazzo**

## vebro Classic Terrazzo

**vebro** Classic Terrazzo is a seamlessly stylish, pigmented, epoxy resin bound terrazzo system designed for use in commercial areas subject to high levels of pedestrian traffic.



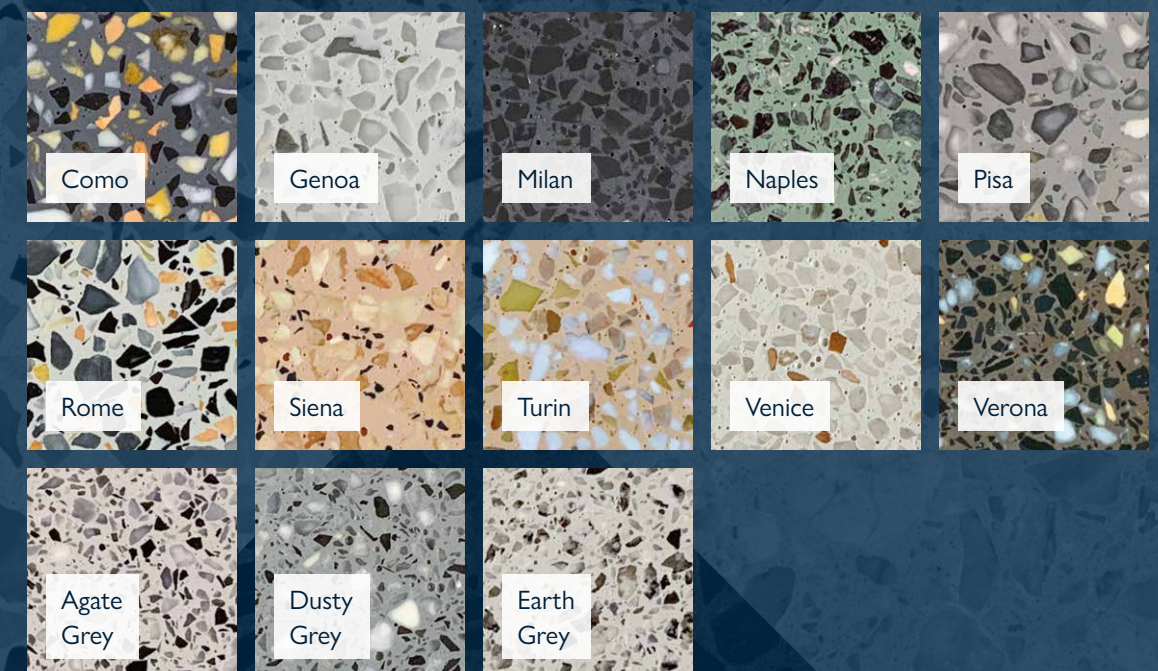
- 1 **vebro** EP Primer
- 2 **vebro** Natural Quartz
- 3 **vebro** EP Binder  
with decorative aggregates
- 4 **vebro** EP Binder (with thixo)
- 5 **vebro** PU UV WB Seal (Clear Silk)

**best for** lobbies & staff offices

8.0 mm

 ~60 mins 7 days

standard vebro Classic Terrazzo blends



looking for a different colour?

Custom aggregate blends are available for **vebro** Classic Terrazzo!  
For more information, visit [vebropolymers.com](http://vebropolymers.com)

looking for a different colour?

vebrodeck systems are available in custom colours!  
For more information, visit [vebropolymers.com](http://vebropolymers.com)





vebro polymers.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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