

automotive  
manufacturing

# automotive manufacturing flooring guide



**vebro** polymers

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



parking garages



commercial venues



prison buildings



shopping centres



institutional buildings



mixed-use developments



transport & infrastructure



external areas

vebro polymers.com

## 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, texturing 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

# 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 has the correct degree of texture and is 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



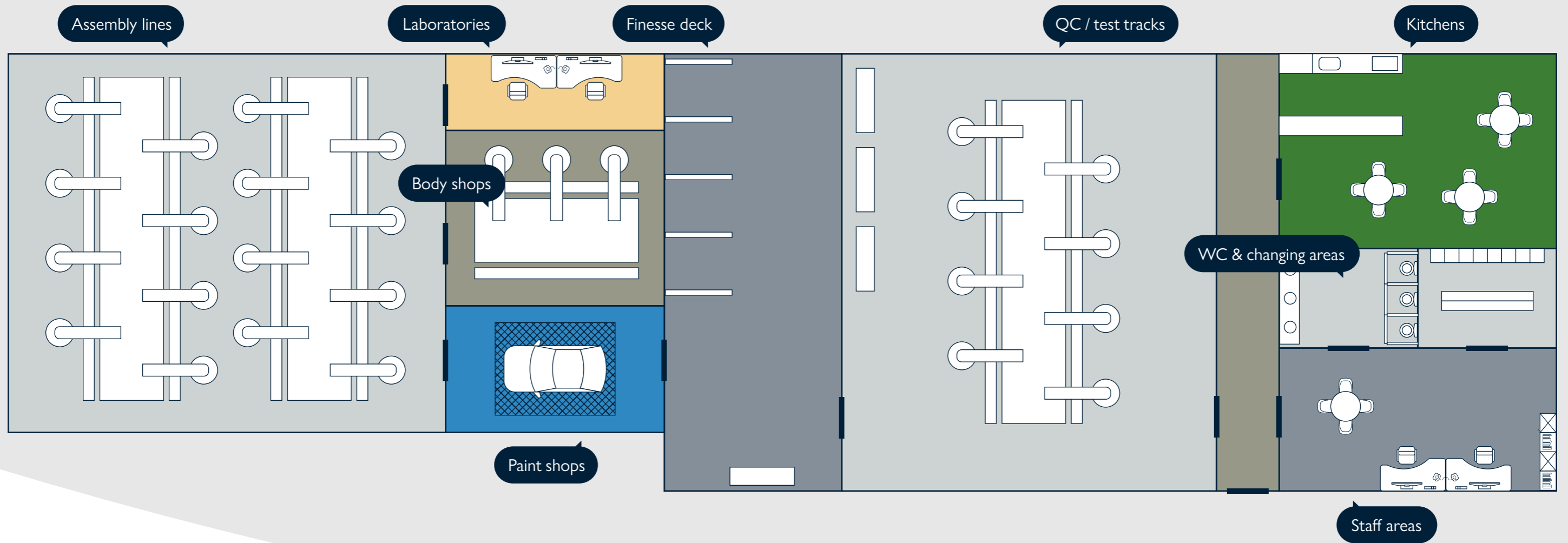
Fast cure MMA systems available that can be installed overnight — walk on in just 60 minutes



Antistatic dissipative and conductive systems available to suit requirements



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



# automotive manufacturing 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 automotive manufacturing facilities.

Vebro Polymers Floor System	Assembly lines	Paint shops	Body shops	Finesse deck	QC / test tracks	Kitchens	Staff areas	WC & changing areas	Laboratories
vebrores EP HBC			✓						
vebrores EP HBC SR									✓
vebrores EP SL1 / SL2	✓		✓						
vebrores EP Flake							✓		✓
vebrores EP Quartz Classic									✓
vebrostatic ESD SL	✓	✓							
vebrocrete SL				✓					
vebrocrete MF						✓			
vebrocrete RT						✓			
vebrodeck EP ID					✓				

# automotive manufacturing floor systems guide

From antistatic floor coating systems for ESD sensitive areas and epoxy floor coating systems for back-of-house areas through to decorative flake & quartz polymer floor systems, epoxy deck coating and seamless, cementitious polyurethane screeds, Vebro Polymers offers a full range of floor options for automotive manufacturing.

## 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 automotive manufacturing facilities. Here's what they all mean...



### 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 floor coating systems

### vebrostatic ESD SL (Conductive / Dissipative)

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).

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.



- 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)

best for assembly lines & paint shops

1.0 - 2.0 mm

20-25 mins

24 hrs

28 days

### core antistatic floor coating systems colours

Light Grey  
(RAL 7035)

Agate Grey  
(RAL 7038)

Dusty Grey  
(RAL 7037)

Concrete Grey  
(RAL 7023)

Graphite Grey  
(RAL 7024)

Beige  
(RAL 1001)

# epoxy floor coating systems



## vebrores EP HBC

- 1 vebro EP Primer (optional)
- 2 vebro EP HBC (2 coats)

best for body shops

0.3 mm 16 hrs 7 days



## vebrores EP HBC SR

- 1 vebro EP Primer
- 2 vebro EP HBC
- 3 40 – 80s mesh sand
- 4 vebro EP HBC

best for laboratories

0.5 mm 16 hrs 7 days



## vebrores EP SL1 / SL2

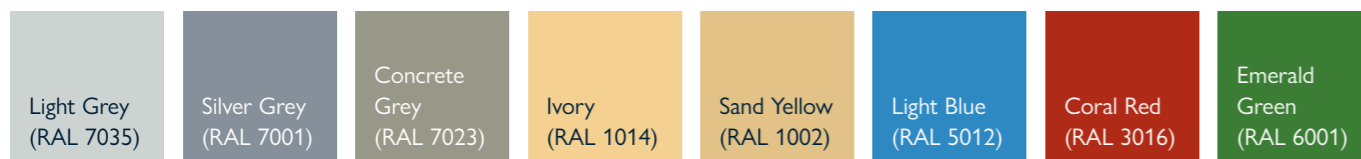
- 1 vebro EP Primer
- 2 vebro EP SL1 or vebro EP SL1

best for assembly lines & body shops

1.0 – 2.0 mm 18 hrs 7 days



## core epoxy floor coating system colours



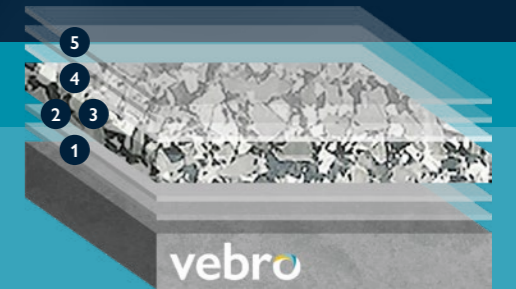
# decorative flake & quartz polymer floor systems

## vebrores EP Flake

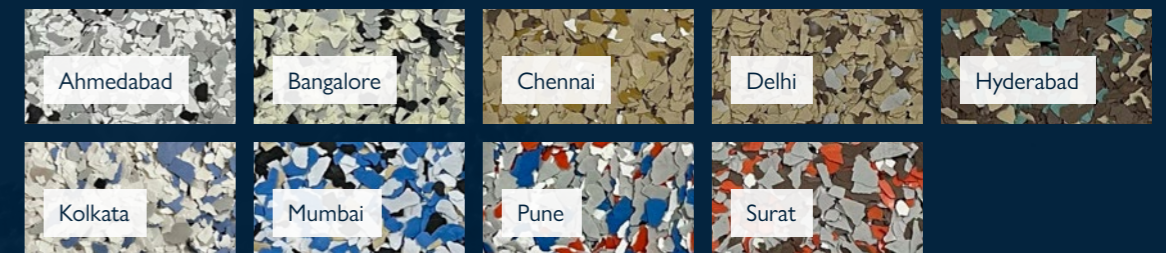
- 1 vebro EP Primer
- 2 vebro EP UL1
- 3 vebro Coloured Flake Blends
- 4 vebro EP Quartz Binder
- 5 vebro PU UV Seal (Clear Matt)

best for laboratories

2.0 – 3.0 mm 16 hrs 7 days



## core flake blends

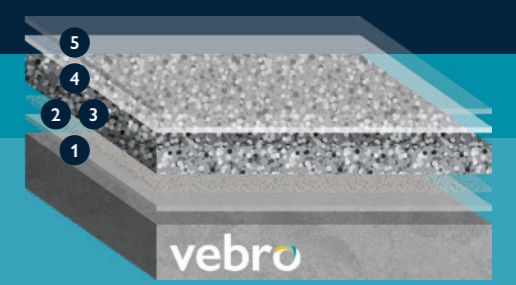


## vebrores EP Quartz Classic

- 1 vebro EP Primer
- 2 vebro Coloured Quartz Blends
- 3 vebro EP Quartz Binder with Coloured Quartz Blends
- 4 vebro EP Grout (Clear)
- 5 vebro PU UV Seal (Clear Satin)

best for WC & changing areas

4.0 mm 16 hrs 7 days



## core quartz blends





# durable, resistant epoxy deck coating

## vebrodeck EP ID

- 1 vebro EP Primer
- 2 40 – 80s mesh sand
- 3 vebro EP HBC



best for QC / test tracks

1.5 – 2.0 mm 16 – 24 hrs 7 days

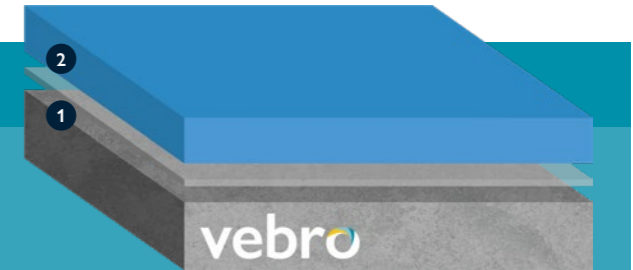
## core epoxy deck coating colours



# seamless, cementitious polyurethane screeds

## vebrocrete SL (S)

- 1 vebrocrete PU Primer or vebrocrete PU SL
- 2 vebrocrete PU SL



best for finesse decks

2.0 – 3.0 mm 12 hrs 7 days

## vebrocrete MF (S)

- 1 vebrocrete PU Primer or vebrocrete PU MF
- 2 vebrocrete PU MF



best for kitchens

3.0 – 4.0 mm 12 hrs 7 days

## vebrocrete RT (T)

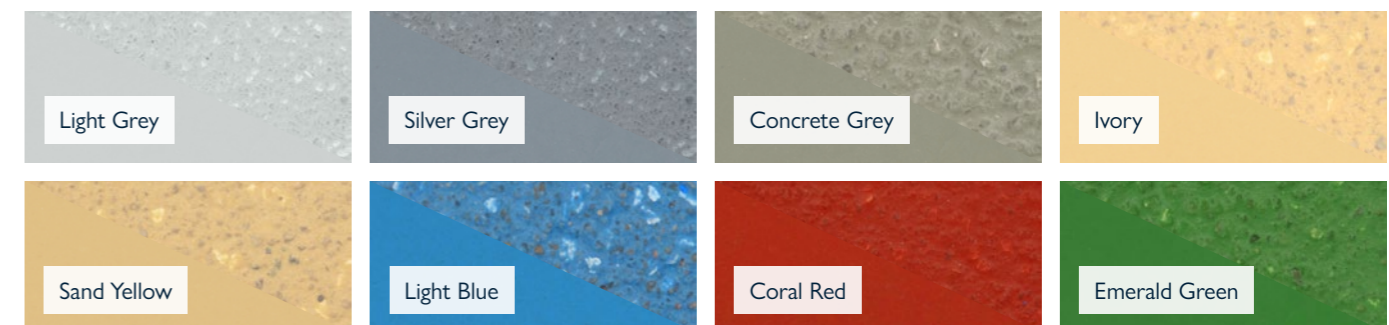
- 1 vebrocrete PU Primer
- 2 vebrocrete PU RT



best for kitchens

6.0 – 9.0 mm 12 hrs 7 days

## core cementitious polyurethane colours



(S) smooth finish (T) textured finish

# automotive flooring in action...

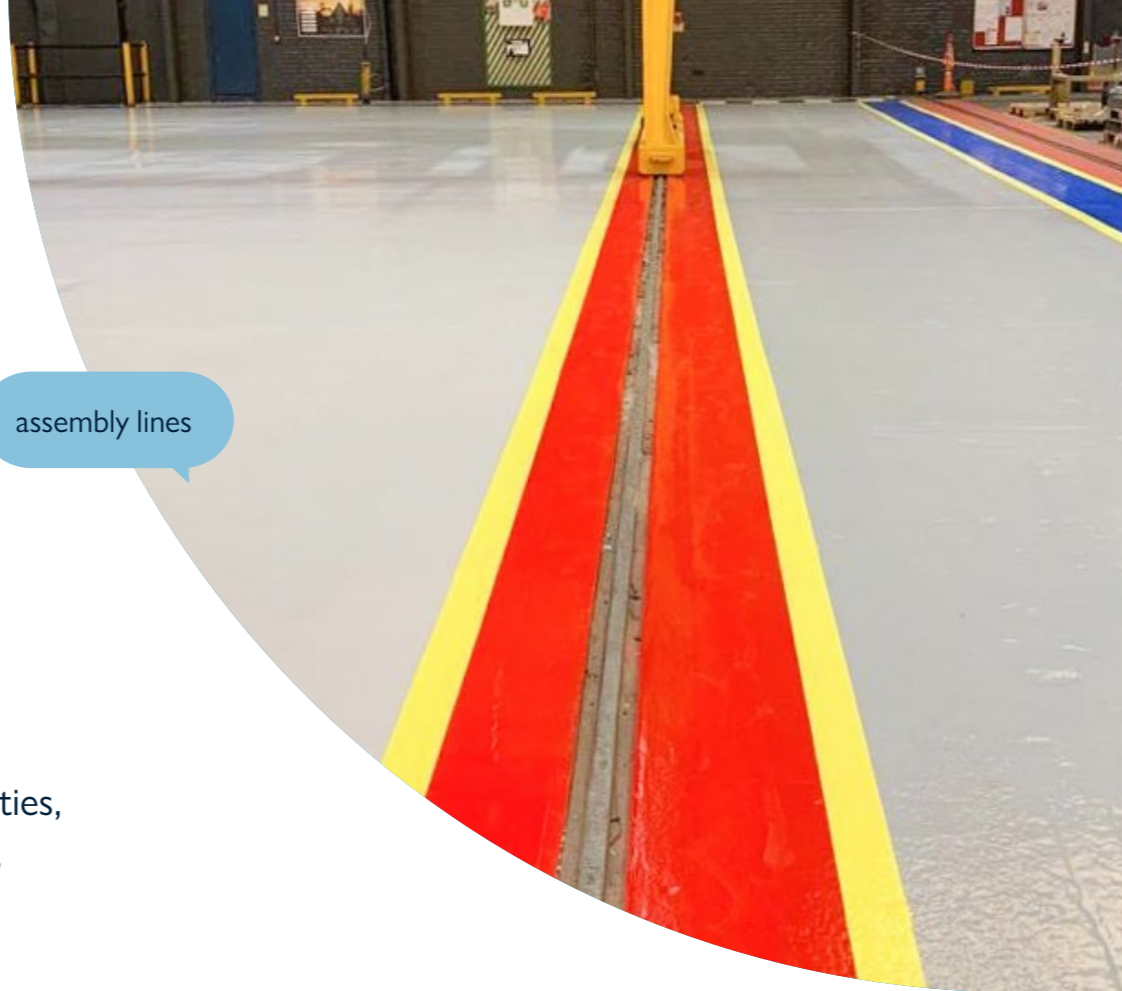
Vebro Polymers' high performance polymer floor coating systems are ideally suited to automotive manufacturing facilities, and has been chosen by clients across the globe, including...



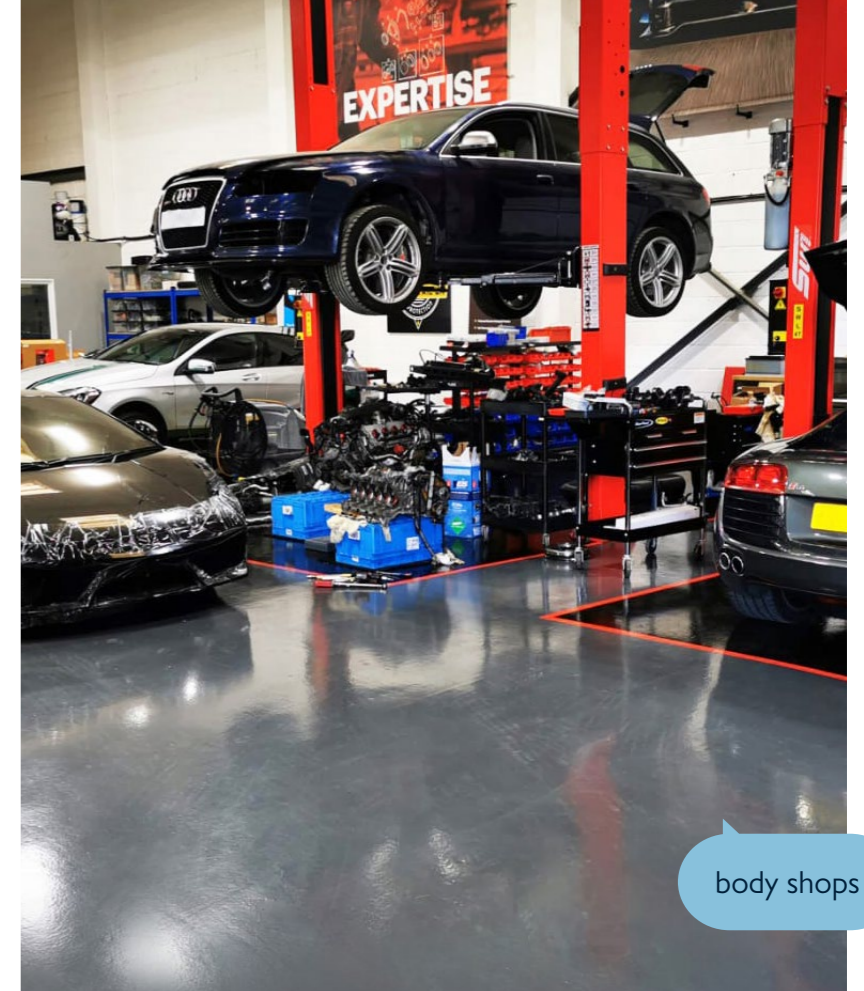
**FRUEHAUF**

[vebropolymers.com](http://vebropolymers.com)

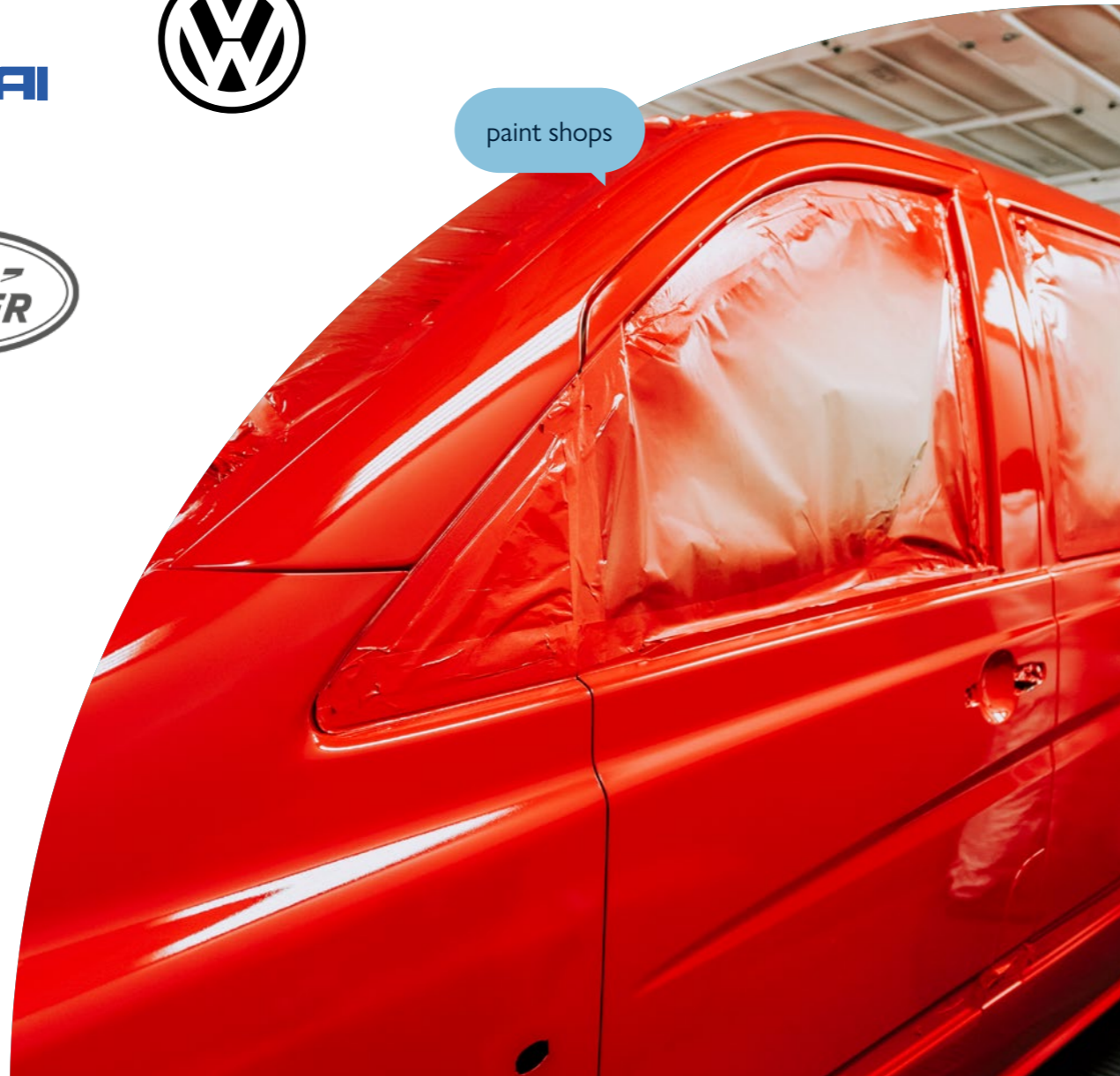
assembly lines



body shops



paint shops



WC & changing areas



kitchens



laboratories





**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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