



## vebrores PU HBC

0.7 mm

vebrores PU HBC is a pigmented, solvent-free, flexible, high build polyurethane floor system designed to protect concrete substrates.

vebrores PU HBC is best suited to coat floors in medium duty dry processing areas where a durable and chemical resistant floor finish is required.

**Please note:** a fast-cure version of vebrores PU HBC is also available. Enhanced slip resistance can be achieved with vebrores PU HBC through the inclusion of graded aggregates between coats.\*



### 1 Primer

vebro EP Primer  
0.30 kg/m<sup>2</sup>

### 2 Coating

vebro PU Universal  
1<sup>st</sup> Coat: 0.50 kg/m<sup>2</sup>  
2<sup>nd</sup> Coat: 0.50 kg/m<sup>2</sup>

### \*Anti-Slip Finishes

Quartz, aluminium oxide, glass spheres or silicon carbide can be included in the system build-up to enhance the slip resistance profile of the floor finish. Please consult the Technical Services team for specific size guidance. Please consult the Technical Services team for specific size guidance.

## Benefits



Excellent chemical resistance profile



Slip resistance profile can be customised



Easily cleaned, sanitised and maintained



Can be applied to concrete, asphalt, wood and steel substrates

## Applications

- ✓ Light to Medium duty Industrial Process Areas
- ✓ Dry Food Process & Packaging Halls
- ✓ Warehouse & Distribution Centres



Dusty Grey  
RAL 7037



Concrete Grey  
RAL 7023



Graphite Grey  
RAL 7024



Beige  
RAL 1001



Traffic Yellow\*  
RAL 1023



Traffic Red\*  
RAL 3020



Traffic Green\*  
RAL 6024



Traffic Blue\*  
RAL 5017

Please note, the applied colours may differ from the examples shown. \*Traffic colours will incur an additional supplement. To discuss colour fast options, or for colour cards and samples, please contact our Technical Services team – [technical@vebro polymers.com](mailto:technical@vebro polymers.com)

## Technical Profile

Performance Criteria		
<b>FeRFA Type / BS 8204-6</b>	Type 3	
<b>Finish</b>	Coloured Gloss	
<b>Solids Content</b>	> 99%	
<b>Viscosity</b>	2,500 mPas	
<b>Density</b>	1.40 g/cm <sup>3</sup>	
<b>Compressive Strength</b>	DIN EN 196 / ASTM C 109	51 N/mm <sup>2</sup>
<b>Tensile Strength</b>	DIN EN 196 / ASTM C 109	59 N/mm <sup>2</sup>
<b>Adhesive Strength</b>	DIN EN ISO 4624	> 2.0 N/mm <sup>2</sup> (concrete failure)
<b>Elongation at Break</b>	approx. 10%	
<b>Shore D Hardness</b>	DIN EN ISO 868	82
<b>Chemical Resistance</b>	Resistant to a very wide range of chemicals. For a full chemical resistance breakdown contact our Technical Services team.	
<b>Working Time</b>	approx. 20 – 25 minutes at 20°C, 15 minutes at 30°C	
<b>Storage</b>	Keep at an ambient 10 – 25°C temperature in dry, frost-free conditions	
<b>Shelf Life</b>	12 months in unopened original packaging	
<b>Speed of Cure (at 20°C)</b>	Light Foot Traffic – 16 hours	Heavy Duty Traffic – 48 hours
	Light Wheeled Traffic – 24 hours	Full Chemical Cure – 7 days

The typical physical properties given above are derived from testing in a controlled laboratory environment at 20°C. Results derived from testing field applied samples may vary dependent upon site conditions. The slip resistance figures given above are affected by application techniques and prevailing site conditions. Slip resistance can reduce over time due to poor maintenance, general wear or surface contaminants. Good housekeeping practices should be observed.

Installation of Vebro Polymers' products should be carried out by an applicator with documented quality assurance and experience.

All consumptions listed are calculated using Vebro Polymers' approved quartz sands and fillers, the use of other third party material may cause changes to both the consumptions listed and the system's technical performance. Detailed application instructions and advice can be provided on request through our Technical Services team

**vebrores** systems are suitable for application on concrete substrates exhibiting a minimum strength of 25 N/mm<sup>2</sup>. The substrate should be capable of bearing loads, free of cracks and voids as well as free from laitance, dust and other contamination according to the appropriate standards.

The substrate must be dry to 75% RH in line with BS 8203 and free from rising damp and ground water.

**vebro** EP DPM in two coats can be used for substrates up to 100% RH (surface dry).

Vebro Polymers' systems and products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. For more information, please refer to individual product data sheets or contact our Technical Services team – [technical@vebro polymers.com](mailto:technical@vebro polymers.com)

All data values and suggested practises listed on system data sheets are approximate and for representation purposes only. In all instances, prior to installation a project-specific specification and / or professional advice should be sought.

Vebro Polymers accepts no responsibility for liability claims based on the suggested practises and data values listed on system data sheets. System Data Sheets are regularly updated and it is the user's responsibility to ensure they obtain the most recent version. The most recent versions can be found at [www.vebro polymers.com](http://www.vebro polymers.com)

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