vebro polymers

vebrodeck Vitesse (B4.2)

5.5 mm

vebrodeck Vitesse is a fast–cure polyurea deck wearing system with dynamic crack bridging capabilities (Class B4.2) up to 0.8 mm designed for use on top decks of multi–storey parking structures.

vebrodeck Vitesse reduces the installation steps associated with top deck waterproofing systems to deliver a fully trafficable and weatherproof surface under a reduced turnaround.

1 Primer

vebro EP Primer RC
0.40 kg/m²

2 Membrane

vebrodeck UR Flex Membrane RC
2.80 kg/m²

3 Topcoat

vebrodeck UR Topcoat RC
2.00 kg/m²

Accelerator

vebro PU Accelerator at 0.2% may be required, please contact our Technical Services team for advice – technical@**vebro**polymers.com.

Benefits

- Dynamic crack bridging according to EN 1062–7 class B4.2 (– 20°C)
- Offers a fast return to service
- Excellent resistance to thermal shock, movement and weathering
- Protects against oils, fuels and de–icing salts

Applications

- ✓ External Car Park Decks
- ✓ Partially Exposed Decks
- ✓ Ramps & Turning Circles
- ✓ Loading Bays

Light Grey RAL 7035	Agate Grey RAL 7038	Traffic Grey A RAL 7042	Dusty Grey RAL 7037	Graphite Grey RAL 7024

Grass Green* RAL 6010	Golden Yellow* RAL 1004	Tomato Red* RAL 3013	Traffic Blue* RAL 5017

Please note; the applied colours may differ from the examples shown. Special colours will incur an additional supplement. To discuss colour cards and samples, please contact our Technical Services team – technical@**vebro**polymers.com

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CE EN 13813 SR-B2, 0-AR0,5-IR20

Technical Profile

Performance Criteria		
Speed of Cure	Light Foot Traffic – 8 hours	Full Chemical Cure – 24 hours
Dynamic Crack Bridging	EN 1062–7	II $_{T+V}$ (B 4.2)
Abrasion Resistance	EN ISO 5470–1 (H22 Wheel)	< 700 mg / 1,000 U (≥ 3,000)
Impact Resistance	EN ISO 6272–1	4 Nm – no cracks
Weathering	EN 1062–11	No signs of blistering, cracking or flaking after 80 days of accelerated UV exposure
Chemical Resistance	Resistant to a very wide range of chemicals. For a full chemical resistance breakdown contact our Technical Services team.	
Adhesion	EN 1542 (Pull Off Test)	≥ 2.7 N/mm^2 (≥ 1.5 N/mm^2)
Fire Resistance	EN ISO 13501	E_{fl}
Water Vapour Permeability	EN ISO 7783–1 and 2	Class III > 200 m (> 50 m)
Slip Resistance	EN13036–4 DIN 51130	60 Skt (≥ 55 Skt) R11–V4 and R12–V6
Water Absorption Coefficient	EN 1062–3	< 0.01 kg/m^2 x h$^{0.5}$ (< 0.1)
Temperature Resistance	-20°C – 60°C (>80 °C for intermittent periods)	

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

vebrodeck systems are suitable for application on cementitious substrates. These 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. Concrete must exhibit a pull off strength > 1.5 N/mm^2 and a residual moisture content < 4 % CM.

With higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane must be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum–cleaning is mandatory.

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

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

for chemistry you can count on…

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