

Project:

Aston Martin Lagonda

Location:

Newport Pagnell, Buckinghamshire

Owner/s:

Aston Martin

Applicator/Contractor:

Polydeck

Designer/Architect/Specifier:

Aston Martin Properties
Development Manager

Market sector:

Commercial Flooring

Products used & amounts:

MasterTop P 621,
MasterTop 524 polymer screed,
MasterTop 1324 resilient crack-
bridging polyurethane flooring
system

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Aston Martin, Newport Pagnell

Crack-bridging flooring solution for automotive workshops



Our reference in Newport Pagnell (United Kingdom): Aston Martin Lagonda

The background

Master Builders Solutions performance flooring was used in the workshops at a state-of-the-art dealership for Aston Martin Works, the official service and restoration division of Aston Martin, in the company's historic headquarters. Behind the new ten-car showroom, the extensive workshops were rebuilt and upgraded into a world-class facility with new equipment and systems to further improve the efficiency and quality of service, repairs and renovation for which it is renowned. The renowned Aston Martin Works body repair, restoration and heritage business is now even better placed to look after customers, carrying out maintenance service, accident and paint repairs as well as the renovation of older cars.

The challenge

The client required a flat, smooth, seamless and decorative flooring finish that would eliminate the need for expansion joints. It was also necessary to resolve the undulations and cracking in the substrate slab, as well as providing a moisture tolerant system.

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Our solution

MasterTop P 621 was applied as the moisture tolerant primer: this low-viscosity, solvent-free, two-component epoxy resin based primer has a high tolerance to concrete with a damp surface. Designed for use as a primer on mineral substrates such as concrete and cementitious screeds, it is suitable for use in bridge deck waterproofing applications and on early age concrete, making it more than up to the job. Polydeck then installed MasterTop 524 fast-setting, self-levelling, pumpable screed, followed by MasterTop 1324 for a flexible seamless finish. MasterTop 1324 is a resilient, crack-bridging, polyurethane system that provides a tough, scratch-resistant floor finish suitable for use on substrates subject to vibration and dynamic forces.

Benefits to the customer

- Master Builders Solutions crack-bridging MasterTop system provided all the components necessary to allow Polydeck to overlay old, variable substrates, offering a single-source solution.
- Specification success: following on from carrying out the flooring installation at Aston Martin Works' technical workshops in Newport Pagnell, Bucks technical workshops, Polydeck went on to install several more areas and assess other sites in Europe for the client.

Projects facts at a glance

- Flooring system applied to a workshop area totalling 3500m².
- A single-source solution using MasterTop products.
- Master Builders Solutions systems met the requirement for a flat, smooth and decorative flooring finish that eliminated the need for expansion joints.
- MasterTop resolved the undulations and cracking in the substrate.

Master Builders Solutions by MBCC Group

The Master Builders Solutions brand expresses MBCC Group's expertise in providing customized chemical solutions for new construction, maintenance, repair and restoration of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. At the core of the Master Builders Solutions brand is the combined know-how and experience of a global community of construction experts, who connect with you to solve all of your construction challenges.

Further information is available at:
www.master-builders-solutions.com