STIRLING LLOYD LAUNCHES 3rd GENERATION HIGH PERFORMANCE BOND COAT

Stirling Lloyd Polychem is announcing the launch of a new cold, spray-applied bond coat for providing enhanced adhesion values and superior in-situ performance. Forming part of the pioneering Eliminator bridge deck waterproofing system, Bond Coat 3 represents a significant development in the provision of tack and bond coats that are used to adhere the asphalt surfacing to the waterproofing.

This third generation bond coat from waterproofing specialists Stirling Lloyd provides a fast-curing tack-free, durable protective finish that resists contamination and damage from traffic, removing the risk of tyre pick-up, a common problem with conventional bitumen based bond coats.

Bond Coat 3 is a cold reactive resin system that, unlike polymer modified bitumen bond coats, can use the same application equipment for applying the system as the primer and membrane, reducing plant mobilisation, costs and application times.

With an activation temperature of only 90°C, Bond Coat 3 can react with lower temperature asphalt mixes that are widely used in the industry, without compromising the strong bond it achieves with asphalt surfacing. This also includes those where the bitumen content is low or where the surfacing layer is relatively thin. Avoiding the use of hot materials, the new cold-applied bond coat also improves on-site safety.

Independent laboratory testing has shown that Bond Coat 3 surpasses all of the enhanced adhesion requirements specified in Highways England Interim Advice Note (IAN 96/07 R1) and Transport Scotland’s Guidance for Waterproofing (TS IA 24 9). It has also received British Board of Agrément (BBA) certification and
Highways Authorities Product Approval Scheme (HAPAS) approval following on-site assessments and trials.

Cliff Weston, director at Stirling Lloyd, comments, “The Bond Coat 3 system is a major step forward in extending the life of bridge surfacing materials, offering a more efficient alternative to polymer modified bitumen bond coats. Bond Coat 3 provides a durable, tack-free finish, even in warm temperatures, which, for waterproofing contractors, will mean that they don’t have to return to the site for a second visit – the bond coat can be installed immediately after the membrane with less risk of damage and contamination from subsequent trades”.

Since the launch of the new product, it has been used on numerous bridges, including the M8/M73/M74 interchange near Glasgow as part of Transport Scotland’s motorway improvement measures, the M6 Heysham Link for Highways England and Crumlin Bridge in Caerphilly, South Wales.

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About Stirling Lloyd
Established for over 40 years, Stirling Lloyd develops and manufactures in the UK a range of high quality products for use in the protection of infrastructure, through waterproofing, surfacing and highway maintenance products. From bridge deck and structural waterproofing, car park refurbishment to skid resistant surfacing, roofing, tanking and lining, its innovative products are used all over the world.

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