

Project Details

Location: 52 Coronation Avenue
Pottsville NSW 2489

Finish Date: 19/10/21

Project Partners

Specifier: Partridge Engineers
Builder: One Up Building
Subcontractor: Danmac Concrete
Distributor: AusReo Yatala
Council: Tweed Shire Council

Product

PaveX™
Expanda™
corrosion-free
joint system,
by Danley



PaveX™ Expanda™ impresses in residential driveway construction project

Engineer selects corrosion-free modular expansion joint system for seaside driveway project; builder completes the job in record time!

Living next to the beach has obvious benefits, but seaside environments can be tough on residential driveways. Traditional steel expansion joint systems connecting pavement sections often degrade, resulting in rust-related failure, spalling, and a driveway that doesn't last the distance. When Andrew Derbidge first set eyes on PaveX™ Expanda™ during a technical presentation, the potential of Danley's corrosion-free uPVC expansion joint system was immediately apparent.

"Traditional steel expansion joints are no good so close to the ocean. And I simply don't trust saw-cut joints, because builders rarely ever cut the slab within the required 6-to-12-hour time window. The PaveX™ Expanda™ system looked like a winner," said Derbidge, the director of NSW-based Partridge Engineers.

But it wasn't until his firm worked with builder One Up Building that he specified PaveX™ Expanda™ in the design of a large residential driveway in Pottsville, a coastal town in the Northern Rivers region of NSW. Mindful of Tweed Shire Council's requirements for sustainable practices and products, Derbidge believed PaveX™ Expanda™ was a perfect fit for the driveway project. The council agreed. Designed and developed with councils and concrete contractors in mind, PaveX™ Expanda™ recyclable uPVC profiles provide a corrosion-free, UV stable system for expansion joints and weakened plane joints. Glass Fibre Reinforce Polymer dowels and sleeves support a smooth and quiet transition between pavement sections, with sacrificial formwork providing up to 10mm of thermal expansion at the joint.

Project builder Nathan Wethered, Partner at Sydney-based One Up Building, said the PaveX™ Expanda™ system's modularity made it easy to set up and assemble. "Everything clips together, and it just makes sense – we got the job done in record time." He also mentioned the PaveX™ Expanda™ Rip-A-Strip – a flexible PVC capping strip that provides a clean, laitance-free joint line. "It tears off smoothly and creates a really clean joint line." PaveX™ Expanda is available in 75mm, 100mm, and 125mm joint heights in addition to 150mm for heavy duty applications.



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