

Pre-Solution Application

The client's two part initial application required them to work on hand and knee leading to high worker fatigue. They were pre-drilling every hole due to the hard wood (KEBONY) being used on the job. Each individual bulk screw was being inserted by hand and they were experiencing issues with bits breaking & screw heads popping off due to high torque.

The fastener for the second phase of their two part application was yet to be determined. They needed to install a fastener through the KEBONY wood into 18 Steel Sea Wall. It would require pre-drilling of each fastener though which fastener to use for proper holding power, strength, and corrosion protection was undecided.



The R.V. Evans' Value Added Solution

Application #1: R.V. Evans Company introduced the PAM Fastening Collated Screw System model P13KUE utilizing Special/Patented 304 Stainless Steel Screws that feature specially designed self drilling tips and head designed to penetrate dense substrates in a single step. The use of this tool eliminated all pre-drilling (major labor savings), while placing the fastener consistently in place (depth of drive adjustable), all while allowing the installers to stand upright during installation with the use of the tool extension.

Application #2: Using the same PAM Fastening System model P13KUE Collated Screw System, the customer was able to convert their extension equipped system to a hand held version with the adaptors provided and use a custom manufactured screw with self drilling wings designed for applications where wood and steel are being adjoined. This fastener bores through both substrates with great efficiency and eliminates all pre-drilling by installers. For corrosion protection, the fastener is coated with a special formulated coating called Magni 599. Unlike other fastener coatings, it will not strip during the high friction incurred during installation and offers superior corrosion resistance. Lab tests verify screws coated with Magni 599 showed minimal compromise in as many as 936 hours of salt spray testing.

Key Benefits of the PAM Fastening System P13KUE: Reduced Labor, Higher Quality Fastener, Faster Installation, and Reduced Worker Fatigue

Measurable Savings Realized: The payback was achieved in only a few days on phase 1 of the project. Estimated hard cost savings on this phase of the job is in the range of \$10,000 to \$12,000. The overall project is estimated to have 6 phases total.



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