NEWS

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Advanced Repair Technology, Inc.
The Science of Repair

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Post Repair - Before Repair

Post Repair - with ART's 401 Flex-Tec HV epoxy repair system

WHY REPLACE WHEN YOU CAN REPAIR?

Repar with ART's 401 Flex-Tec HV epoxy repair system

In and around the coastal areas of the country, fighting humidity can be a constant battle while trying to maintain piers, docks, and railings.

The Resort Hotels at Walt Disney World have turned to ART's flexible epoxy repair system to solve this problem.

ART'S FLEXIBLE EPOXY REPAIR SYSTEM IN A COASTAL ENVIRONMENT.

ART–REPAIR SYSTEM in action

Blocks of wood were used to take up volume before filling in the remaining void with ART 401 Flex-Tec HV

ART 401 FLEX-TEC HV is applied to fill in what is missing and provide structural strength.

A skim coat was applied across the top of the pier to prevent additional moisture from soaking into the open grain.

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POST REPAIR
at Walt Disney World Caribbean Resort-Aruba

ART 401 FLEX-TEC HV
Item # ART 401

ART 901 BONDING AGENT
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A SKIM COAT WAS APPLIED across the top of the post to prevent additional moisture from soaking into the open grain of the post.

PHOTOGRAPH OF FINISHED REPAIR

Physical properties of ART 401 Flex-Tec HV

- Compression Strength 14,500 PSI
- Flexural Strength 16,500 PSI
- Tensile Strength 7,500 PSI

Work performed by and photographs courtesy of: Faden Builders, Inc., 736 South Rossiter Street, Mount Dora, FL 32757

HELPFUL HINTS WHEN WORKING WITH FLEX-TEC HV™,

Always remove decayed wood material. Do not apply to checks or open joints without dilating and removing all dirt and decay. Cutter should be used to expose sound unaffected material and create sufficient volume of width and depth to allow for natural movement. *(Simply wire brushing or raking loose material out of joints or checks may compromise bonding strength.)*

For optimal adhesion, apply Flex-Tec HV™ directly to uncured Prime-A-Trate™ Bonding Agent.

Avoid over filling repair. Position epoxy as close as possible to desired shape. Overfilling will require excessive sanding.

For natural wood finishes, Flex-Tec HV™ can be colored using universal tinting compounds (*tinting must be added to the epoxy during the mixing stage for correct stain color*).

Avoid application in direct sunlight. Do not leave repair unpainted or unvarnished.

Thick applications cure faster. Warmer temperature speeds cure - cooler temperature slows cure.

Avoid applying epoxy directly to existing paint. Always remove paint from affected area before beginning repair.

Avoid contact with skin. Work in well ventilated area. Refer to the Material Safety Data Sheet (MSDS) for complete safety and handling information.

Clean Up. Uncured epoxy material can be removed using Handy-Towels item# ART 5020, household vinegar or generic orange hand cleaner (such as Go-Jo).

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