



North Sea Resins Pipe and Tank Repair Kits

Project Summary: Return tank repair completed under full operating conditions

Background: A New Jersey dry cleaning company had a leak in the return tank in their mechanical room. The leak was at the base of the tank and it was about 1/8" diameter. An ineffective combination of duct tape and a bucket was forcing the owner into action. As a critical component of their business, the repair had to be done while the system was in use.

Application Conditions: Tank was hot to the touch at the top and warm at the base. The leak was at the base of the tank as illustrated in Fig. 1. A steady drip was coming out of the tank during the repair process.

NSR Solution: NSR Field Service Tech Kit. Use the NSR250 resin along with Applicator Tab and Application Assist Disk. Use NSR10LED light.

Repair Procedure:

1. Prepare surface to be repaired using sandpaper and wire brush. Clean the surface and create mechanical texture on the surface that will promote adhesion.
2. Put applicator tab onto Application Assist Disk. Dispense resin onto tab (Fig. 2)
3. Use Light to physically push resin onto the surface and plug the hole. (Fig. 3)
4. Activate light and hold in place for 30 seconds.
5. Apply additional resin in adjacent areas to expand adhesive area.
6. Monitor repair to verify equipment is running properly and leak resolved. (Fig. 4)



Fig 1: Metal Tank



Fig 2: Tab, Disk Resin



Fig 3: Light used to push on disk and cure resin



Fig 4: Repaired Tank

Point of leak

Applicator Tab
Assist Disk

Repair was done in the early spring of 2005. Follow-up calls in the summer of 2005 and in the fall of 2006 have confirmed that the repair is still holding and the customer has maintained his uptime utilization requirements.