



## SOLUTIONS FOR PLAZA RESTORATION



# PLAZA RESTORATION

## COREFLEX®: THE RESTORATION SOLUTION

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Plaza restoration for waterproofing repair is very disruptive. Demolition noise, loss of space usage and expense can be extreme. Additionally, the exposure of finished building elements to weather can lead to significant water damage during the construction. Removal of the failed waterproofing and surface preparation is laborious and it often creates hazardous conditions, compromises air quality and can create disposal nightmares.

Many systems used today for new plaza waterproofing membranes require torches, solvents or kettles for installation creating even more disruption for occupied structures. As a remedy for many of these plaza construction challenges, CETCO has combined proven technologies and developed the CoreFlex Thermoplastic Composite Waterproofing. It is a premium KEE modified thermoplastic membrane, integrally bonded with a proprietary Active Polymer Core (APC) layer that work together to ensure superior waterproofing protection.

The CoreFlex composite starts with the thermoplastic membrane reinforced with a high-strength, polyester knit fabric. The membrane is produced with DuPont's Elvaloy® KEE. This combination exhibits exceptional puncture resistance, dimensional stability, tensile and tear strengths. With the solid phase Elvaloy KEE plasticizer, the membrane remains flexible and will not crack or shrink; thus providing extreme longevity. In addition to providing a buffer layer, the APC provides a second waterproofing layer. Should water ever penetrate the reinforced thermoplastic membrane, the APC will activate and prevent water migration into the system.

CoreFlex's KEE based thermoplastic membrane, in conjunction with the APC, is engineered to resist common construction contaminants. It provides maximum resistance to standing water, oils, chemicals, salt, as well as asphalt and tar based materials. This advanced technology and dual membrane design allows for minimal demolition and enables CoreFlex to be installed over most adhered existing waterproofing membranes. This offers huge savings in time, cost and building disruption!

## DEMOLITION

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- Diminishes costs associated with surface prep and demolition
- Minimal demolition required reducing hazardous airborne particles
- Reduced noise
- Reduced use of disruptive demolition equipment
- Minimizes construction waste and disposal costs





Heat welded CoreFlex seam



Hot rubberized asphalt melter

## INSTALLATION

- Faster dry-in time than other systems allows for quicker project turnaround
- Dramatically reduced exposure of finished space protecting the structure from weather related damage
- Utilizes licensed installers providing assurance of proper installation
- No Kettles, solvents, fumes or open flames necessary
- Easy tie-in to adjacent construction

## HIGHLIGHTED PROJECTS

### Lake Chesdin Pedestrian Terrace

Location: VA

This high-end residential structure utilized a coal-tar based urethane waterproofing when originally built. The topping slab and decorative rails were removed, as well as a protection layer for the waterproofing. The waterproofing had failed, but was substantially bonded to the deck. The construction of the CoreFlex membrane allowed the new waterproofing to be installed over the bonded old material, reducing the “open time of the deck by one half. It was “an easy choice to choose CoreFlex”, the contractor said.



### Piper Tech

Location: Los Angeles, CA

As the primary launch/landing location for the LAPD Tactical Air Unit, the logistics and time line to repair the leaky, occupied Piper Tech Center were very tight. The existing assembly was a structural concrete waffle deck with coal tar pitch waterproofing and a 6” structural concrete topping slab. Instead of performing the extensive remediation detailed in the schedule, CoreFlex-60 was installed with minimal demolition and allowed the contractor to not only meet the aggressive schedule, but reduce the exposure of the finished space to unseasonal rains that were plaguing LA at the time.

# THE CETCO SOLUTION

## WATERPROOFING PROTECTION

- Dual waterproofing membrane combines active and passive waterproofing providing unbeatable protection from water ingress
- Heat welded seams provide fully fused, water tight protection
- Inert Active Polymer Core (APC) layer resistant to most contaminants (cold tar, asbestos, etc.)
- KEE modified thermoplastic membrane resistant to most hydrocarbons
- UV Stable, aesthetically pleasing flashings complete the waterproofing system
- Welded-seam membrane is resistant to root intrusion in most green space applications



Yankee Stadium Building J  
Plaza restoration and greenroof assembly

## HYDROSHIELD™ QUALITY ASSURANCE PROGRAM

With more than 60 years of experience in waterproofing technology, CETCO has garnered worldwide recognition for quality, performance and reliability. CETCO, as a driving force in the construction products industry, is focused on providing our customers with complete solutions and the assurance of long-term performance.

Backed by the industry leading HydroShield Quality Assurance program, CETCO provides the long-term performance you expect from your waterproofing system.

The HydroShield Quality Assurance Program provides:

- Design Assistance
- Approved Applicator Program
- Independent Inspection
- Performance
- No dollar limit warranty coverage



**February 2010** (Supersedes All Previous Versions)  
The information contained herein is believed to be accurate and reliable and supersedes all previous versions. CETCO warrants that the product conforms to the specifications published in this literature. Contact CETCO for limitations to the warranty. CETCO reserves the right to update information without notice.  
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