

# Project Profile

## INTERNAL CONCRETE POTABLE WATER PIPES RESTORATION

INDUSTRY	: Water Treatment
CLIENT	: Beijing Municipal Water System
DISTRIBUTOR	: Nukote Coating Systems
CONTRACTOR	: Beijing Huanfa Pipe Restoration
APPLICATOR	: Beijing Huanfa Pipe Restoration
PROJECT	: Potable water internal pipe restoration
LOCATION	: Beijing, China
SYSTEM	: Nukote Primer & Nukote HT @ 2 mm
APPLICATION TYPE	: Restoration of Pipeline & Abrasion Resistance
COATED AREA	: Est. 200,000 m <sup>2</sup>
COMPLETION	: 2006



## DESCRIPTION

Beijing was undergoing a major overhaul in preparation for the 2008 Olympic Games. Part of that overhaul includes restoring its dilapidated concrete potable water pipes that are over fifty years old. Corroded pipes not only risk losing valuable, and scarce potable water from water leaking out, but also risk contamination to the water from ground water leaking in. Beijing is a fully developed city making access to the pipes in a manner that would facilitate application of Nukote polyurea extremely difficult. The pipe was accessed as conveniently as possible every two hundred meters. The applicators applied Nukote primer as a basecoat to a clean, dry concrete. Nukote HT was then applied to 2.0 mm DFT. Nukote pure polyurea was selected because it could be easily applied in damp, cold environments. To minimize impact on Beijing's citizens, the line was restored during the coldest time of the winter when water use is at its low point. Due to the success of the application, Beijing is currently evaluating the potential of using the same system to restore their corroding wastewater pipes.

PDS

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