



WATERPROOFING  
CONCRETE FOR LIFE

RADCRETE

## Radmyx slurry approach waterproofing Korean Subway tunnels



### SITE DETAILS

|             |                       |
|-------------|-----------------------|
| COUNTRY:    | Korea                 |
| SITE:       | Mudkjide - Doglipumun |
| APPLICATOR: | Jin Kwangh E & C.     |
| CLIENT:     | Korean Rail Corp      |
| YEAR:       | 2001                  |

As a result of successful trials utilising our Radmyx crystal growth for tunnel repairs on behalf of the Korean Rail Corporation, our Korean representatives continue to patch repair areas of tunnel leakage. A Radmyx slurry approach is an ideal solution to this sort of problem where access can only be gained on the positive side of the water penetration.

Given there was no external access for repair at least this approach will keep Korea's rail tunnels dry. The crystal growth can grow in against hydrostatic pressure and given the application is below grade, "low thermal stress", then this approach should produce very long term, if not lifetime waterproofing results.

This type of repair is the best that can be hoped for; dry tunnels. - Unfortunately the outside water containing salts and contaminants is now well soaked into cracks within the concrete sections. Combined with air this will vastly accelerate corrosion to the steel reinforcement.

