



MKT Injection System VME plus

MKT Injection System VMH

Anchoring rebars to retrofit the concrete structure of the Rainbow Village, Bundang, South Korea

Bundang was developed in the late 1980s to address rapid population growth and rising housing prices in Seoul. Today it is one of the most desirable residential communities outside of the capital's city center, with excellent connectivity via expressways and railway lines. As part of an extensive urban renewal program, the existing building stock is being modernized and expanded. A key project within this initiative is the Neuti Village Complex, also known as the Rainbow Village.

The buildings are extended horizontally to add floor area and vertically to add new stories. New reinforced concrete elements are connected to the existing structures using post-installed rebar connections with two-component injection adhesive systems. For most of the year, the epoxy-based MKT injection system VME plus is applied, while the faster-curing MKT injection system VMH is used during winter conditions around freezing. In 2025 alone, more than 30,000 cartridges were installed.



Product	MKT injection system VME plus
Adhesive type	2-component epoxy
Quantity	27,000 pcs
Application	Structural rebar anchoring @ warm temperature
Contractor	POSCO E&C



Product	MKT injection system VMH
Adhesive type	2-component hybrid
Quantity	3,000 pcs
Application	Structural rebar anchoring @ cold temperature
Contractor	POSCO E&C