

## CASE STUDY - Waterproofing

# Reactor 2 H-XP3 : Polyurea waterproofing for Expressway

*The extension of Toka-kanjo Expressway was newly built, customer wanted to spray a polymerized cementitious protective coating (Evercoat,Sika) which can substantially reduce or prevent water penetration.*



### Location:

Gifu, Japan

**Project size:** Road width 19m x length 50,000m

### Materials:

Evercoat, Sika

### Application description:

Mix ratio: 1:1

Flow rate: 13L/min

Working pressure: 1500psi

### Products:

Machine: Reactor 2 H-XP3 with auto gun

Accessories: P2 gun, Heated hose and T3



### Challenges:

The biggest challenge of this project was customer need to spray a very large range of area (Road width 19m x length 50,000m) within a very short time period. They initially applied with another brand spray unit with a manual gun, but it worked at low efficiency and quality. If they still worked with that machine they will indeed miss the deadline.

### Solutions:

Graco team provided solution of Reactor 2 H-XP3 Polyurea Proportioner Systems with two automatic P2 guns. It worked more stable without any issues and took customer less operating hours by the auto spray. In a meanwhile, it delivered more consistently and better spray quality with evenly film. On the cost side, it reduced material wasted and help customer saved money. They were very satisfied with the result and successfully completed the work by the deadline.

### Results:

Graco Reactor 2 H-XP3 with two automatic P2 guns made the work more efficient and high quality work for this project.



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