

Durable life of ROVAL

It is difficult to express the life of steel structure applied ROVAL, because it depends on surface preparation, film thickness and corrosive environment, etc. However, ROVAL conforms to the technical requirements specified in ISO12944 C5-High. This means that ROVAL can be expected to have a durable life of 15 to 25 years in C5 corrosive environment. (25 years or more in corrosive environments of C1 to C4)

We conducted exposure test in environments with a corrosive category of C5. As a result, rust occurred on the entire surface of general paint in 3 years, but ROVAL did not generate rust even after 15 years.

We also have a 20 year exposure test result in a general environment. In addition, we introduce examples of actual construction achievements that have passed since painting with ROVAL.

15 year exposure test result in C5 corrosive environment

ROVAL



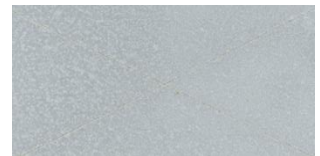
(Before Exposure)



(3 years)



(5 years)



(15 years)

General paint

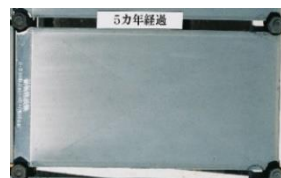


20 year exposure test result in a general environment

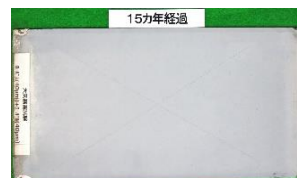
ROVAL



(Before Exposure)



(5 years)

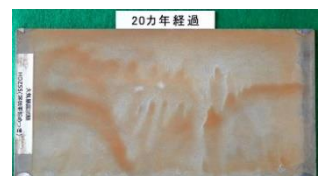
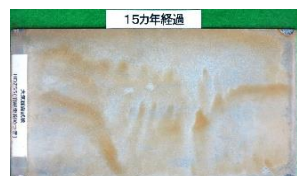
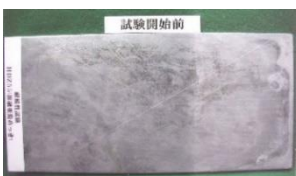


(15 years)



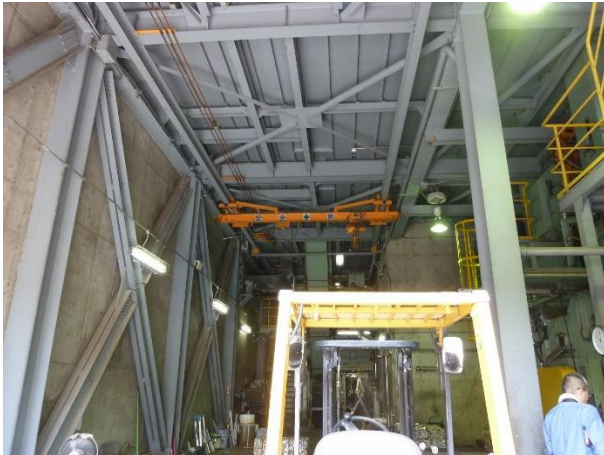
(20 years)

Hot dip galvanizing



Recycling Plaza (22 years after painting)

A waste disposal facility. The inside of the facility has an acidic atmosphere and the entire surface of the steel frame was painted with ROVAL.



Lighting tower (20 years after renovation painting)

Galvanized lighting tower was aged and painted with EPO ROVAL.



Commercial complex (10 years after renovation painting)

Refurbishment of the old galvanized outside stairs



University (9 years after repainting)

Outside stairs and railings. Originally painted with ordinary paint, but the rust and old paint film were removed and repainted with ROVAL.



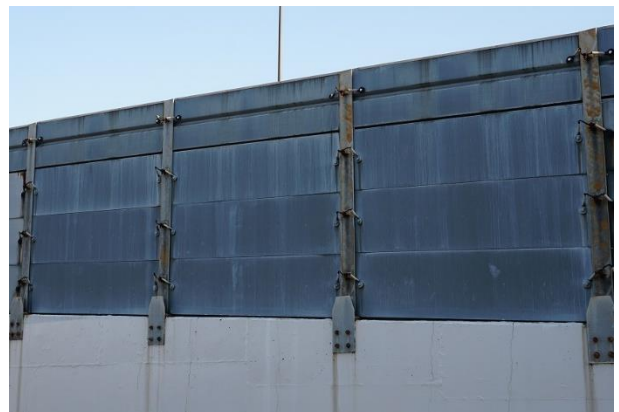
Automated Guideway Transit (6 years after renovation painting)

Renovation work of a galvanized inspection passage.



Road noise barrier (19 years after renovation painting)

Some of the badly rusted noise barriers were repaired with ROVAL.



Aerial walkway (14 years after renovation painting)

The walkway of station building. Painted ROVAL in galvanized steel renovation.



Rail noise barrier (11 years after overcoating)

The galvanized steel plates of railway noise barriers were covered with ROVAL SILVER to avoid glare and improve rust prevention performance.



Rock fall prevention fence (21 years after repainting)

The rock fall prevention fence was originally painted with ordinary paint, but the rust and old paint film were removed and repainted with ROVAL.

