

CN RAILWAY SOUTHWEST RAPID TRANSIT & PEMBINA HIGHWAY UNDERPASS

WINNIPEG, MANITOBA

PROJECT DATE
2017

SUBSTRATE
STEEL

CATEGORY
MAINTENANCE



OWNER

Canadian National Railway

GENERAL CONTRACTOR

PCL Constructors Canada

STEEL FABRICATOR AND PAINTING

Capitol Steel

SURFACE PREPERATION

- Clean as per SSPC SP1 standard
- Clean as per SSPC SP WJ4 standard maximum 2500 psi
- Blast clean as per SSPC SP 7 standard using copper slag EG 20 to create a surface profile of 1 - 2 mils

COATING SYSTEM

SEAL COATING - METALLIZATION AREAS:

Sealer / Mist coat

MC-Metallization sealer 0.5 mils dft

Primer

MC-Metallization sealer 1 - 2 mils dft

Topcoat

MC-Ferrox A 100 2 - 4 mils dft

GALVANIZED AREAS:

Sealer / Mist coat

MC Miomastic 100 @ 0.50 - 0.75 mils dft

Primer

MC Miomastic 100 @ 3 - 5 mils dft

Topcoat

MC Ferrox A @ 2 - 4 mils dft

INTRODUCTION

The city of Winnipeg was looking for a coating system that would help protect their important infrastructure. Quality and reliability was the most important aspects when choosing a system that would cover the metallized and galvanized surfaces of the underpass.

Reasons why PCL Constructors chose Wasser was our metalization sealer is uniquely formulated to allow a thin mist coat in order to let off gassing and prevent damage to the final coat. Another benefit of using our products is that it's a single component product which allows for final touch ups to be done on the job site without heating which saves significant time and money especially in a cold climate like Winnipeg.

