

## The Accelerated Weathering and Durability Tests

The most recent set of accelerated weathering tests were conducted in an **Atlas UVCon Ultra Violet / Condensation Exposure Cabinet MII**.

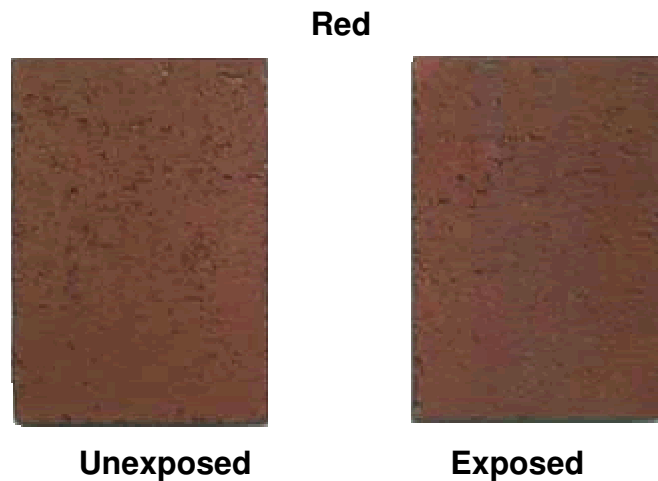
This machine continuously cycles through extreme weather simulated conditions, i.e., UV radiation and elevated temperature and moisture condensation.

This test is widely used in the coatings industry to assess durability of exterior coatings.

Nawkaw had this testing regime extended to simulate **25 years of continuous exposure on a vertical wall**.

At the end of its accelerated weathering exposure testing, the samples are examined for integrity and color fastness.

The results of these tests from our most recent set of exposure tests are shown pictorially:



The sample on the left was exposed to no weathering while the one on the right withstood an equivalent of 25 years exposure to sunlight on a vertical wall in the accelerated testing apparatus.

Date of test - October 2000

Testing Facility - Bodycote Materials Testing Inc. - Toronto Canada

UV Radiation cycle 16 hours @ 60 degrees C

Condensation cycle 8 hours @ 50 degrees C

### Black



**Unexposed**



**Exposed**

The sample on the left was exposed to no weathering while the one on the right withstood an equivalent of 25 years exposure to sunlight on a vertical wall in the accelerated testing apparatus.

Date of test - October 2000.

Testing Facility - Bodycote Materials Testing Inc. Toronto Canada.

UV Radiation cycle 16 hours @ 60 degrees C

Condensation cycle 8 hours @ 50 degrees C

### Yellow



**Unexposed**



**Exposed**

The sample on the left was exposed to no weathering while the one on the right withstood an equivalent of 25 years exposure to sunlight on a vertical wall in the accelerated testing apparatus.

Date of test - October 2000

Testing Facility - Bodycote Materials Testing Inc. Toronto Canada.

UV Radiation cycle 16 hours @ 60 degrees C

Condensation cycle 8 hours @ 50 degrees C

## White



**Unexposed**



**Exposed**

The sample on the left was exposed to no weathering whilst the one on the right withstood an equivalent of 25 years exposure to sunlight on a vertical wall in the accelerated testing apparatus.

Date of test - October 2000.

Testing Facility- Bodycote Materials Testing Inc. Toronto Canada.

UV Radiation cycle 16 hours @ 60 degrees C

Condensation cycle 8 hours @ 50 degrees C

Nawkaw recognizes the need to produce and apply superior products to meet the highest standards to the continuing benefit of our customers and the community.