

Laboratory Accelerated Weathering Machine

Aim

To develop a tester capable of evaluating the weatherability (resistance to gloss loss, discoloration, and fading) of coated film in a short time so that paint can be developed in a short time.

Test method

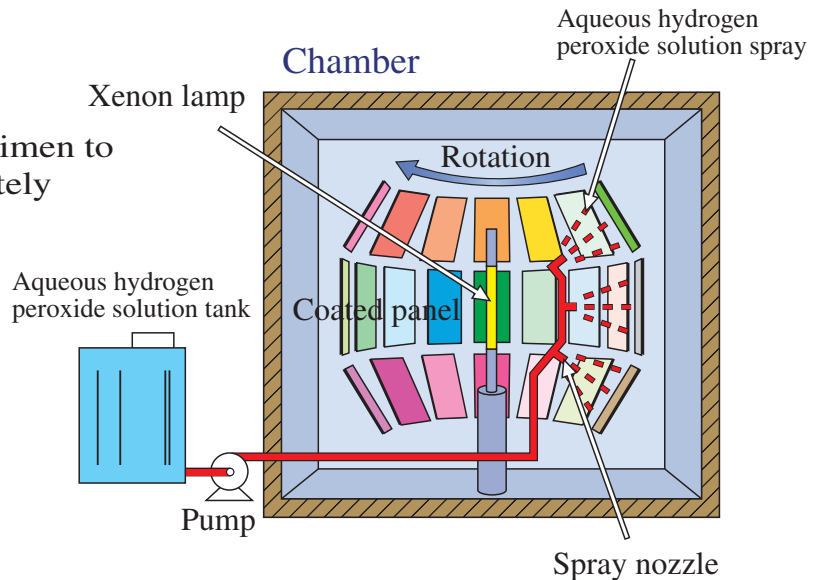
- Subject a coated plate specimen to treatments A and B alternately

Treatment A

Spray the specimen with aqueous hydrogen peroxide solution and expose it to light at the same time

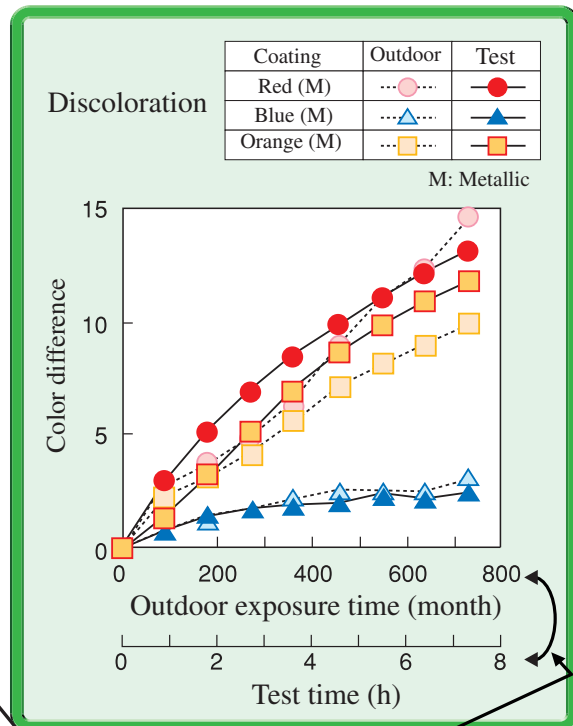
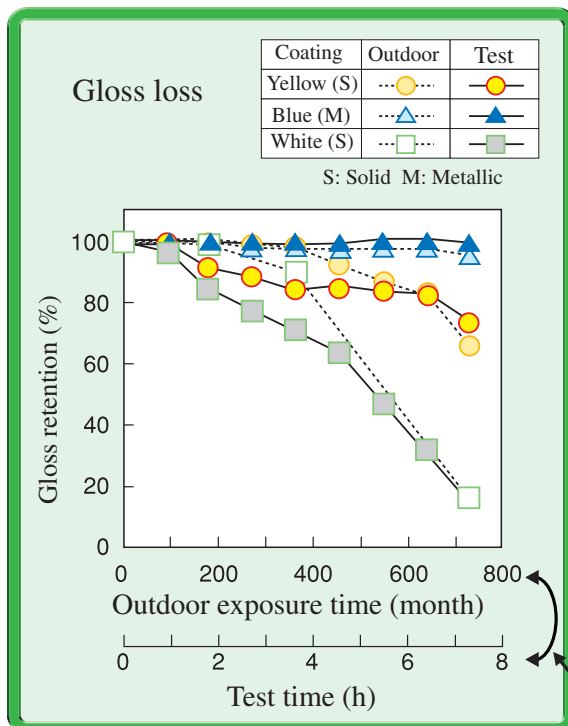
Treatment B

Expose the specimen to light at constant temperature and humidity



Characteristics

Reproduces the gloss loss, discoloration, and fading due to outdoor exposure for two years in seven days.



Accelerating factor ; 100