

ISO 16053-2:2024-03 (E)

Paints and varnishes - Coating materials and coating systems for exterior wood - Part 2: Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water

Contents		Page
Foreword.....		iv
Introduction.....		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		2
4 Principle		2
5 Apparatus		2
5.1 Test chamber.....		2
5.2 Lamps.....		2
5.3 Device for wetting the test panels.....		2
5.4 Black panel thermometer.....		2
5.5 Irradiance control.....		3
6 Test panels		3
6.1 Wood.....		3
6.2 Preparation and selection of wood panels.....		4
6.3 Preparation of coated panels.....		4
6.3.1 Wood conditioning.....		4
6.3.2 Preparation of panels for the test coating.....		4
6.3.3 Conditioning.....		5
7 Procedure		5
7.1 Examination before exposure.....		5
7.2 Mounting the test panels.....		5
7.3 Exposure.....		5
7.3.1 Exposure cycle.....		5
7.3.2 Sample rotation and maintenance.....		6
7.3.3 Duration of test.....		6
7.4 Examination of test panels.....		6
8 Precision		6
9 Expression of results and test report		9
Annex A (normative) Details of the test methods		10
Annex B (informative) Explanatory notes		12
Annex C (normative) Test for heartwood in pine		13
Annex D (informative) Water purification		14
Annex E (normative) Test for abnormally porous wood		15
Annex F (informative) Alternative procedure for preparation and coating of panels		16
Annex G (informative) Determination of adhesive strength of tape on test surface		17
Bibliography		18