

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