

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