

ISO 7972:2023-05 (E)

Adhesives - Absorption of water into an adhesive layer using an open-faced specimen and determination of shear strength by secondary bonding

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Apparatus	2
6	Test specimens	2
6.1	Open-faced specimen	2
6.1.1	Cleaning	2
6.1.2	Surface treatment	2
6.1.3	Deposition and control of the adhesive thickness	2
6.1.4	Immersion in water	3
6.2	Specimen for single lap shear test	3
6.2.1	Dimensions and alignment	3
6.2.2	Number of specimens	3
6.3	Accuracy	3
7	Conditioning of test	4
8	Procedure	4
8.1	Immersion in water	4
8.2	Secondary bonding	4
8.3	Tensile shear test	4
9	Precision data	4
10	Calculation and expression of results	5
11	Test report	5
Annex A (informative) Example of preparation of open-faced specimen		6
Annex B (informative) Example of secondary bonding		8
Bibliography		10