

DIN EN 1279-3:2018-10 (E)

Glass in building - Insulating glass units - Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances

Contents	Page
European foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Symbols and abbreviations	5
5 Requirements	6
5.1 Gas leakage rate	6
5.2 Tolerances on gas concentration	7
5.3 Durability of the gas and interaction with IGU components	7
6 Test method	7
6.1 Principle of testing	7
6.2 Apparatus	7
6.2.1 Climate exposure equipment	7
6.2.2 Container for gas leakage rate measurement	7
6.2.3 Gas analysis equipment	7
6.2.4 Gas sampling device	8
6.2.5 Preparation of test specimens	8
6.2.6 Number of test specimens	8
6.3 Procedure	8
6.3.1 Determination of internal volume Vint of a test specimen	8
6.3.2 Climate exposure	8
6.3.3 Measuring the gas leakage	9
6.3.4 Analysis of gas	9
6.4 Evaluation	9
7 Test report	10
Annex A (normative) Reference method for the determination of the gas leakage rate by gas chromatography	12
A.1 Principle of method	12
A.2 Equipment	12
A.3 Preparation of test specimens	16
A.4 Procedure	17
Annex B (informative) Relationship between artificial and natural ageing with regard to thermal and sound insulation	23