

# DIN EN 1036-1:2008-03 (E)

## Glass in building - Mirrors from silver-coated float glass for internal use - Part 1: Definitions, requirements and test methods

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
1	Scope .....	5
2	Normative references .....	5
3	Terms and definitions .....	5
4	Materials .....	7
4.1	Glass products .....	7
4.2	Reflective coating .....	7
4.3	Protective coating(s) .....	7
5	Dimensional requirements .....	7
5.1	Thickness .....	7
5.2	Length, width and squareness .....	8
5.2.1	Stock/standard sizes .....	8
5.2.2	As-cut finished sizes .....	8
6	Reflection characteristics of silvered mirrors .....	9
6.1	Measurement .....	9
6.2	Silvered mirrors made from clear float glass .....	9
6.3	Silvered mirrors made from tinted float glass .....	9
7	Quality requirements .....	9
7.1	General .....	9
7.2	Quality assessment and inspection methods for silvered mirrors .....	9
7.2.1	Glass, reflective coating, edge and protective coating quality .....	9
7.2.2	Optical quality .....	10
7.3	Acceptance levels .....	10
7.3.1	Glass faults .....	10
7.3.2	Reflective silver coating faults .....	10
7.3.3	Edge faults .....	10
7.3.4	Protective coating(s) faults .....	11
7.3.5	Optical fault .....	12
8	Testing of silvered mirror .....	13
8.1	Durability .....	13
8.1.1	General .....	13
8.1.2	Test specimens .....	13
8.1.3	Position of specimens .....	13
8.1.4	Evaluation .....	13
8.1.5	Acceptance criteria .....	13
8.2	Protective coating(s) adhesion .....	14
Annex A (normative)	Condensation water test in constant atmosphere .....	22
A.1	General .....	22
A.2	Test conditions .....	22
A.3	Climatic testing device .....	22
A.3.1	Climatic chamber .....	22

A.3.2	Installation of the climatic chamber .....	23
A.3.3	Device for the accommodation of the specimens (specimen holder) .....	23
A.4	Procedure .....	23
A.4.1	Filling the floor trough .....	23
A.4.2	Specimens .....	23
A.4.3	Arrangement of the specimens .....	23
A.4.4	Test sequence .....	24
A.4.5	End of test .....	24
A.4.6	Interruption .....	24
A.4.7	Cleaning procedure .....	24
A.5	Test report .....	24
Annex B (informative) Fixing and cleaning of mirrors .....		26
B.1	General .....	26
B.2	Factors affecting durability .....	26
B.3	Factors affecting image distortion .....	27
Bibliography .....		28