

DIN EN ISO 10052:2010-10 (E)

Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method (ISO 10052:2004 + Amd 1:2010) (includes Amendment A1:2010)

Contents	Page
1	Scope 5
2	Normative references 5
3	Terms and definitions 5
4	Single number quantities 11
5	Instrumentation 11
6	Test procedure and evaluation 12
6.1	General 12
6.2	Generation of sound field 12
6.2.1	General 12
6.2.2	Airborne sound insulation between rooms 12
6.2.3	Impact sound insulation between rooms 13
6.2.4	Airborne sound insulation of façades 13
6.3	Measurement of sound pressure levels 14
6.3.1	Airborne and impact sound insulation between rooms 14
6.3.2	Airborne sound insulation of façades 14
6.3.3	Service equipment sound pressure level 15
6.4	Frequency range of measurements 15
6.5	Reverberation index data 15
6.6	Precision 18
7	Expression of results 18
7.1	Airborne sound insulation 18
7.2	Impact sound insulation 18
7.3	Service equipment sound pressure level 18
8	Test report 19
Annex A (informative)	Forms for the expression of results 21
Annex B (normative)	Operating conditions and operating cycles for measuring the maximum sound pressure level and the equivalent continuous sound pressure level 27
B.1	General principles 27
B.1.1	General 27
B.1.2	Maximum sound pressure level (L_{max}) 27
B.1.3	Equivalent continuous sound pressure level (L_{eq}) 27
B.2	Water installations 27
B.2.1	General operating conditions 27
B.2.2	Water tap 28
B.2.3	Shower cabin 29
B.2.4	Bath (tub) 29
B.2.5	Filling and emptying sinks and baths 29
B.2.6	Water closet (Toilet) 30
B.3	Mechanical ventilation 30

B.4	Heating and cooling service equipment	31
B.5	Lift (Elevator)	31
B.6	Rubbish chute	32
B.7	Boilers, blowers, pumps and other auxiliary service equipment	32
B.8	Motor driven car park door	32
B.9	Other types of building service equipment	33
Bibliography		34