

DIN EN 16578:2016-07 (E)

Ceramics sanitary appliances - Sustainability assessment

Contents		Page
European foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		5
4 Assessment		8
4.1 General		8
4.2 Ecological criteria		9
4.2.1 General		9
4.2.2 Parameters describing the resource use		10
4.2.3 Parameters describing output flows and waste categories		11
4.2.4 Parameters describing environmental impact		12
4.2.5 Parameters describing the construction process		18
4.2.6 Recycling potential		18
4.3 Economical criteria		18
4.3.1 General		18
4.3.2 Parameters describing the operational water use		19
4.3.3 Parameters describing the life cycle		19
4.3.4 Parameters describing the energy management		20
4.4 Social and functional criteria		20
4.4.1 General		20
4.4.2 User friendliness		20
4.4.3 Safety in use		21
4.4.4 Maintenance, repair and replacement		21
5 Classification		21
6 Marking and product designation		22
Annex A (informative) Matrix of assessed data		23
A.1 Ecological criteria (see 4.2)		23
A.2 Economical criteria (see 4.3)		24
A.3 Social and functional criteria (see 4.4)		25
Annex B (informative) Evaluation scheme		26
B.1 General		26
B.2 Evaluation of ecological criteria		26
B.3 Evaluation of economical criteria		27
B.4 Evaluation of social and functional criteria		27
B.5 Evaluation of the total rating		27
Annex C (informative) Example for a table with typical values for the production of ceramic sanitary appliances		32
Bibliography		34