

# DIN EN 16578:2016-07 (E)

## Ceramics sanitary appliances - Sustainability assessment

---

<b>Contents</b>		<b>Page</b>
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