

COMPARISON

EN 840 – RAL-GZ 951/1

December 2023

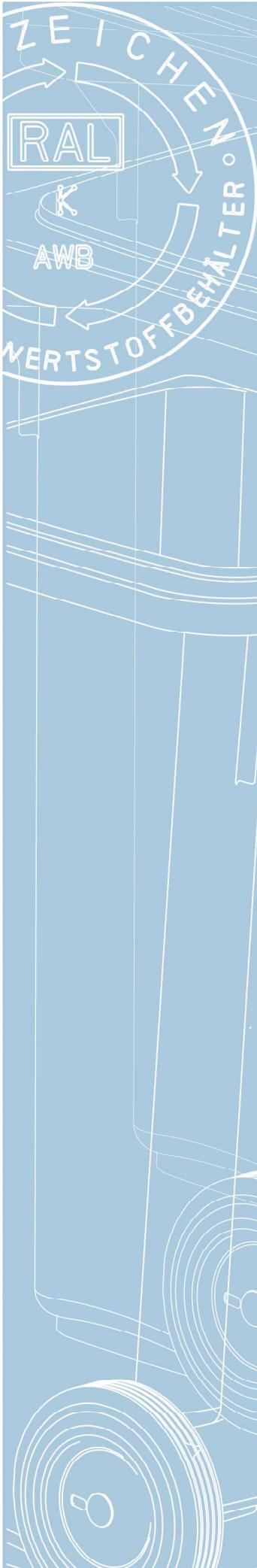


Test no. Type of testing	EN 840		RAL-GZ 951/1	
	2 wheels	4 wheels	2 wheels	4 wheels
1 Outer appearance and workmanship	X	X	X	X
2 Dimensions (functional dimension)	X	X	X*1	X*1
3 Position of chip nest for RFID adapter			X	X
4 Test of stability of the RFID adapter			X	X
5 Weight			X*2	X*2
6 Determination of volume	X	X	X	X
7 Bending of frontal receiver	X	X	X*2	X*2
8 Ball drop test at t = -18°C	X	X	X*2	X*2
9 Drop test at t = -18°C, 4 x 3m				X
10 Drop test at t = +23°C, 4 x 2,5m				X
11 Impact on wall / corner (inclined surface)		X		X
12 Kerb driving / rolling test		X		X
13 Kerb driving / falling test	X	X	X*2	X*2
14 Handles / lifting test		X		X
15 Stability	X	X	X*2	X*2
16 Wheel test (Test at a circular proving ground)	X	X	X*1	X*1
17 Brake test		X		X
18 Tiltability (lifting test)	X	X	X*1	X*1
19 Internal stress cracking test	X	X	X	X
20 Corrosion test	*3	*3	*3	*3
21 Weathering test	*4	*4	*4	*4
22 Warm storage			X	X
23 Pulling test (Strength to start and maintain the container movement)	X	X	X	X
24 Test of sliding cover (child safety)		X		X
25 Expansion angle test of comb lifting device			X	X
26 Lid test			X	X
27 Marking body	X	X	X*2	X*2
28 Marking lid and wheels			X	X
29 Marking and testing of the wheels by an independent test institute			X	X
30 Marking of waste fractions by colors (recommendation)	X		X	
31 Permissible total weight (definition)			X	X
32 Confirmation of fulfillment of further applicable standards			X	X
33 Safety requirements	X	X	X	X
34 Initial testing by an independent test institute			X	X
35 Self-monitoring			X	X
36 External monitoring by independent test institute			X	X
37 Examination+value definition outdoor directive 2000/14 EG			X	X
38 Examination and evaluation from polycyclic aromatic hydrocarbons (PAH) to AfPS GS 2019:01 PA			X	X

Additional requirements of the RAL GZ 951/1;2 in comparison to the EN 840

Footnotes: *1 additional requirements *3 Metal container and add-on components
 *2 increased requirements *4 On test specimens

Gütegemeinschaft Abfall- und Wertstoffbehälter e.V. Siegburger Str. 126, 50679 Köln



**Extended requirements through:
APPENDIX TO THE QUALITY
ASSURANCE RAL-GZ 951/1**

December 2023



Section Name of the request	EN 840	RAL-GZ 951/1
1. Company-specific requirements		
1.1 Certification according to DIN EN ISO 9001	X	
1.2 Certification according to DIN EN ISO 45001	X	
1.3 Evidence of own product development	X	
1.4 Evidence of technical training and further education for own staff and customers	X	
1.5 Operating a service hotline	X	
1.6 Evidence of a defined complaints managementsystem	X	
1.7 Evidence of a defined share of own production	X	
1.8 Proof of a controlled incoming goods inspection	X	
1.9 Provision of advisory services for the user	X	
1.10 Existence of product liability insurance	X	
1.11 Maintaining a document archive	X	
1.12 Execution of all initial and external tests by an accredited institute	X	
2. Social requirements		
2.2 No child labour	X	
2.2 No work under duress	X	
2.3 Compliance with minimum health and safety standards	X	
2.4 Creation of employee representation bodies	X	
2.5 No discrimination	X	
2.6 No physical and/or psychological discipline	X	
2.7 Compliance with working hours	X	
2.8 Fair remuneration	X	
3. Sustainability requirements and compliance with environmental protection requirements		
3.1 Certification according to DIN EN ISO 14001	X	
3.2 Obligation to take back containers	X	
3.3 Compliance with prescribed PAH limit values	X	
3.4 Hygiene, health and environmental protection requirements	X	
3.5 Recovery of recyclable components	X	
3.6 Proof of the recyclate content during production	X	
3.7 Programme for CO2-neutral production of the containers	X	
3.8 Environmental liability insurance	X	

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