



COMPARISON EN 840 – RAL-GZ 951/1

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	X	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		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 PAK			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

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