

Quality Parameters for



Aggregatetype Materials for Drainage Course (RAL-GZ 250/6-5)

Parameter	Range of values	
	intensive greening	extensive greening
1 Permissible constituents	Organic, mineral and synthetic substances. If there is an RAL quality assurance system for the organic starting substances, quality-assured or equivalent products are to be used. The decision rests with the technical committee substrates for roof-gardens.	
2 Declaration		
2.1 Constituents	Declaration of constituents > 5Vol. % in descending order. Recycling materials must be considered	
3 Physical properties		
3.1 Granulometric distribution [mass-%]		
3.1.1 Proportion of clay and silt ($d \leq 0,063$ mm)	≤ 10	
3.2 Apparent density (volume weight) [g/cm ³]		
3.2.1 dry	to be analysed	
3.2.2 at maximum water capacity (Wk max.)	to be analysed	
3.3 Water and air management		
3.3.1 Maximum water capacity [vol.-%]	to be analysed	
3.3.2 Water permeability mod. k_f [mm/min]	≥ 180	
3.4 Selectable foreign matter [mass-%]		
3.4.1 $d > 6$ mm; e.g. tiles, glass, ceramics, wood remains	≤ 0.3	
3.4.2 plastics (loss due to burning > 70% by wt)	≤ 0.1	
3.4.3 sum of surface from plastics (when 3.4.2 does not come to the estimate)	≤ 10	
4 Chemical properties		
4.1 pH value	6.0 - 8.5	
4.2 Salt content [g/l]	water extract: ≤ 2.5 gypsum extract ≤ 1.5 (when necessary)	water extract: ≤ 3.5 gypsum extract ≤ 2.5 (when necessary)
5 Biological properties		
5.1 Growth inhibitors	Germination test produces no evidence of growth inhibitors; analysed where needed	
6 Requirements as to environmental relevance	The substrates are to be examined for environmentally relevant substances in the eluate (see table on environmental relevance).	
7 Heavy metals	The substrates are to be examined for heavy metals (see table on heavy metals).	