

4.2.16 Water absorbing geocomposite

Retention type: **Water absorbing geocomposite**

R/02 – GEOKOMPOZYT SORBUJĄCY WODĘ

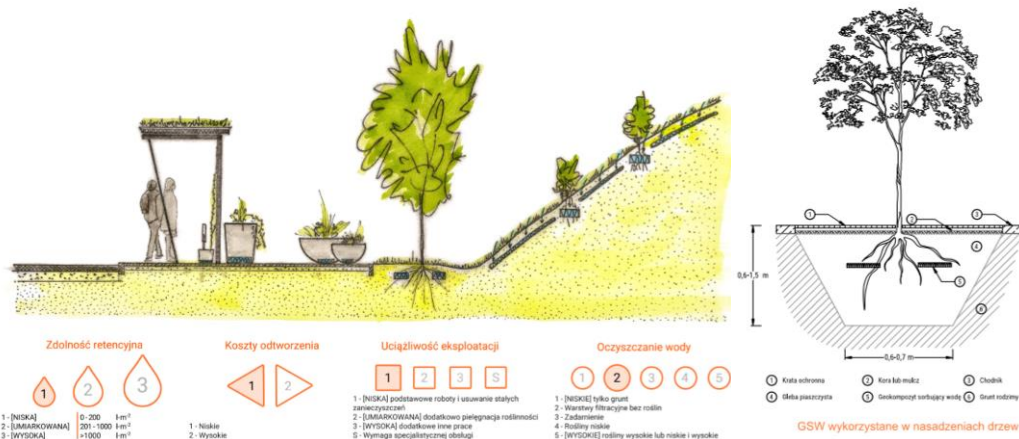


Figure: 47. Water absorbing geocomposite (source: Lejcuś K. at all "Katalog dobrych praktyk zasady zrównoważonego gospodarowania wodami opadowymi pochodzącymi z nawierzchni pasów drogowych. Wrocław 2017")

Land use	Urban/Semi urban/Semi-rural		
Catchment area	0-0,1 km ²		
Dimensions	Designed unpaved places where there is no possibility for surface storage		
Location	Anywhere at urban/ semi urban/semi-rural catchments, where the terrain and land use is suitable		
Target group	Municipalities		
Effects of measure		Size of effect	Description
	Slow/Store runoff	MEDIUM	These solutions retain rainwater coming from infiltration. Everywhere where vegetation solutions are used for supporting retention, regardless of whether they are grass, trees, shrubs, plants used to create green roofs or green walls, the development of these plants can be supported by water absorbing geocomposite (GSW).
	Increase Evapotranspiration	HIGH	evaporation in this activity is improved, because better conditions of existence (life) of plants are created
	Increase Infiltration	MEDIUM	

	Increase soil water retention	MEDIUM	
	Reduce pollutant sources	LOW	
	Reduce erosion	NO	
	Achieve Good Surface Water Status	NO	
Maintenance requirements	Ensuring storage capacity.		