


Maximum axle loads



Construction phase



Coverage on Rockflow in the implementation phase (construction phase)	Maximum axle loads that are permissible during implementation on the compacted ^[1] foundation package ^[2]			
	Rockflow WM2005		Rockflow WM2007	
	Axle loads ^[3]	Single wheel load	Axle loads ^[3]	Single wheel load
> 25 cm	< 3 ton	< 0.8 ton	< 6 ton	< 1.5 ton
> 45cm	< 6 ton	< 1.5 ton	< 10 ton	< 2.5 ton
> 65 cm	< 10 ton	< 2.5 ton	< 15 ton	< 3.7 ton



For a road with an asphalt top layer use min. 65 cm coverage for WM2005 and 45 cm coverage for WM2007.

^[1] In accordance with standard RAW provisions 2015 art. 80.16.05) delivery, application and compaction.

^[2] Construction of foundation package minimum 0.30m mixing granulate 0 / 31.5 (NEN-EN 13242 (2015) + possibly sand in sandbed (Standard RAW provision 2015 art. 22.06.03).

^[3] Axle load based on rear axle with double tires (NEN-EN 1991-2 par. 4.3.2), Wheel print 0.4m x 0.4m.



Usage phase

Traffic category Axle load	Minimum installation depth (top of buffer to ground level)	
	Rockflow WM2005	Rockflow WM2007
Green (no traffic)	> 30 cm (sand)	NA
6 ton	40 cm	40 cm
10 ton	40 cm	40 cm
15 ton	60 cm	40 cm
20 ton	75 cm	45 cm

















The road construction consists of the following layers:

- 10 cm road or asphalt
- 30 cm foundation of mixed granulate
- Variable sand layer thicknesses

Guidelines for choosing axle-loads for Rockflow



Usage phase

Type of area	Expected loads	Max axle-loads for the design	Remark
Parking lot 	   	< 10 t < 15 t	At < 10 t not accessible for trucks
Residential area 	  	< 15 t	
City 	  	< 20 t	
Industry / Highway / Asphalt top layer 	 	20 t	Pay attention to special and heavy duty transport.