

# Checklist for Stormwater Management Roof

Please complete a separate check list for **each** roof area and return them to [engineering@zinco-greenroof.com](mailto:engineering@zinco-greenroof.com)

Project name: ..... Date: .....  
 Street, house number: .....  
 Postal code, city: .....  
 Roof area\*: .....

Planner: .....  
 Contact person: .....  
 Street, house number: .....  
 Postal code, city: .....  
 Phone number: .....

**Requirements:** **Roof surface without inclination and with a sufficient load bearing capacity**  
 Roof construction  roof without insulation  insulated roof  inverted roof  roof in timber construction  
 Maximum admissible load .....kN/m<sup>2</sup> (live load and snow load not included)

**Roof surfaces:** Please state the runoff coefficient (C\*\*) if it needs to be considered in the calculation!

**Total area** (outer edge),  
 = a) + b) ..... m<sup>2</sup>

**a) Available retention area\*\*\*** ..... m<sup>2</sup>

Green area extensive ..... m<sup>2</sup> C= ..... Substrate depth ..... mm

Green area intensive ..... m<sup>2</sup> C= ..... Substrate depth ..... mm

Walkway ..... m<sup>2</sup> C= .....

Driveway ..... m<sup>2</sup> C= .....

Gravel ..... m<sup>2</sup> C= .....

**b) Areas without retention** ..... m<sup>2</sup>

Parapet ..... m<sup>2</sup> C= ..... Further areas without retention volume ..... m<sup>2</sup> C= .....

\* Please number the single areas and indicate them in the overview plan.  
 \*\* According to DIN 1986-100, the average runoff coefficient Cm is used to calculate the volume of stormwater retention facilities.  
 \*\*\* Total area minus parapet, skylights, and any further areas which do not allow for retention.



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- Roof outlets:
- roof outlets with foamed connecting flange
  - roof outlets with screw-in flange
  - roof outlets through the upstand

Number of outlets ..... pieces      Diameter ..... mm  
 Max. discharge rate ..... l/s      Discharge restriction ..... l/s  
 for the relevant roof ..... l/s      property-related

**Discharge into this roof from other roof surfaces (please add up areas with the same build-up):**

Roofs with extensive greening ..... m <sup>2</sup>	Runoff coefficient C .....	Roofs covered with gravel ..... m <sup>2</sup>	Runoff coefficient C .....
Roofs with intensive greening ..... m <sup>2</sup>	Runoff coefficient C .....	Roofs with hard surfaces ..... m <sup>2</sup>	Runoff coefficient C .....

**Further information / requirements (if known)**

Retention volume ..... m<sup>3</sup>      Duration of discharge ..... h  
 Retention height ..... mm  
 Type of runoff-limiter     ZinCo       Other .....

**Which design rain event is to be taken into consideration?**

Annuality / frequency / return period:     20     30     50     100     Other

**Precipitation pattern for the design rain event (required information)**

Duration [min]		5	10	15	20	30	45	60	90	120 (2 h)	180 (3 h)	240 (4 h)
Rainfall Intensity	[l/s*ha]											
	or [mm/h]											

  

Duration [hours]		6	9	12	18	24	72 (3 d)	96 (4 d)	120 (5 d)	144 (6 d)	168 (7 d)
Rainfall Intensity	[l/s*ha]										
	or [mm/h]										

**Note:**

Please provide top view plans in DWG- (or DXF-) format if available, alternatively PDF-documents with reference dimensions.

Further comments or requests:

.....  
 .....  
 .....

