

CHECKLIST

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FOR STORMWATER MANAGEMENT ROOF

Please complete a separate check list for **each** roof area and return them to
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/m² (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) m²

a) Available retention area*** m²

Green area extensive m² C= Substrate depth mm

Green area intensive m² C= Substrate depth mm

Walkway m² C=

Driveway m² C=

Gravel m² C=

b) Areas without retention m²

Parapet m² C= Further areas without retention volume 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.

Zinco GmbH

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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 for the relevant roof l/s Discharge restriction property-related l/s

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

Roofs with extensive greening m ²	Runoff coefficient C	Roofs covered with gravel m ²	Runoff coefficient C
Roofs with intensive greening m ²	Runoff coefficient C	Roofs with hard surfaces m ²	Runoff coefficient C

Further information / requirements (if known)

Retention volume m³ Duration of discharge h

Retention height mm

Type of runoff-limiter Zinco Other mm

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:

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