

# THE EFFECT OF GREEN ROOFS

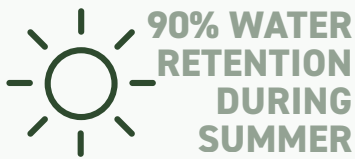
**WANT TO KNOW MORE?**

Contact us to receive the full report

# 50%

## WATER RETENTION

Our sedum roofs has a well documented water retention of 50% in average.



# 10 YEAR RAIN-STORM

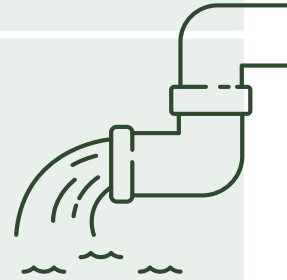


Gives a retention of 15-20 mm of rain in a 50 mm rainfall

## REDUCTION OF PEAK-FLOW

Sewers and drainage systems often have a max peak flow capacity of 110 l/s/ha of water.

Normally when the water flow reaches maximum during a rainfall, the water is diverted to a stormwater pool. When the pressure on the system is reduced, the rain water can be led back into the system.



**BY INSTALLING A NATURE IMPACT SEDUM ROOF IT IS PROVEN THAT PEAK-FLOW EVENTS ARE REDUCED BY UP TO**

# 66%

There by being able to reduce the amounts or size of the stormwater pools for a building by integrating one of our sedum roofs.



## RAINWATER DELAY

At a documented 10-year rainstorm our sedum roofs delayed the runoff of water by over 5 hours.

Sedum roofs delay the flow of rain water significantly. In addition to absorbing on average 50% of the rainwater, our sedum roof delays the path of the rainwater to the sewer by slowly releasing the water until the sedum roof reaches a saturated state.

**REAL-LIFE TEST AND VERIFIED NUMBERS**

**OUR SEDUM ROOFS ARE TESTED IN PARTNERSHIP WITH**

**KRÜGER** 

**NATURE IMPACT®**

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