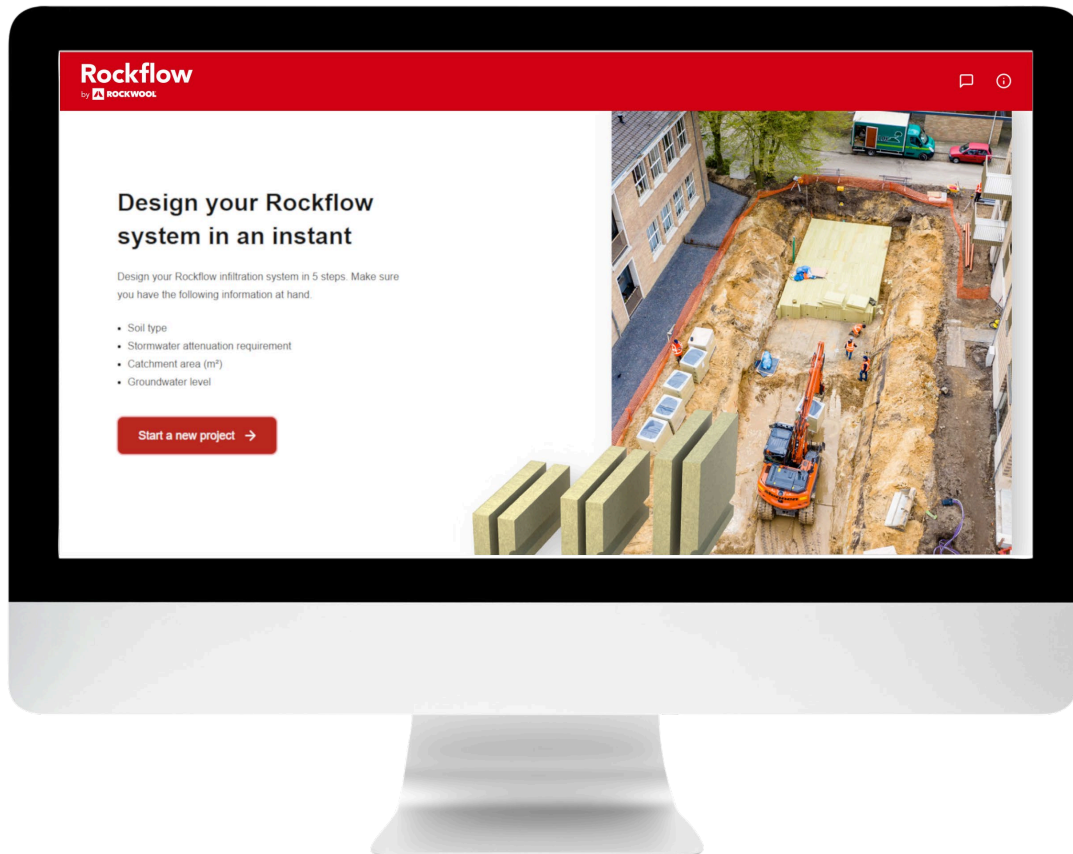


# Rockflow Go

A Rockflow design in an instant.



User manual

V1.0

July 2023

## ROCKWOOL Rainwater Systems

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## Rockflow Go in een notendop

What is Rockflow Go and who is it for?



Rockflow Go is an online tool for engineers or contractors who want to create a concept design of a Rockflow system themselves.

What do you use Rockflow Go for?

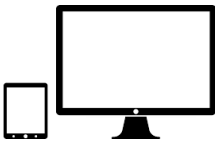
**5** steps

With Rockflow Go you can design a Rockflow infiltration buffer of up to 50m<sup>3</sup> in five simple steps.

Rockflow systems  
up to **50m<sup>3</sup>**

A fast and efficient way to come to a first sketch for your project, taking into account the Rockflow design principles. For larger, more complex projects, consult the extensive Rockflow design guide or contact one of our consultants.

Which devices is Rockflow Go made for?



The Rockflow Go web app is configured for your desktop, laptop and tablet (not your mobile phone).

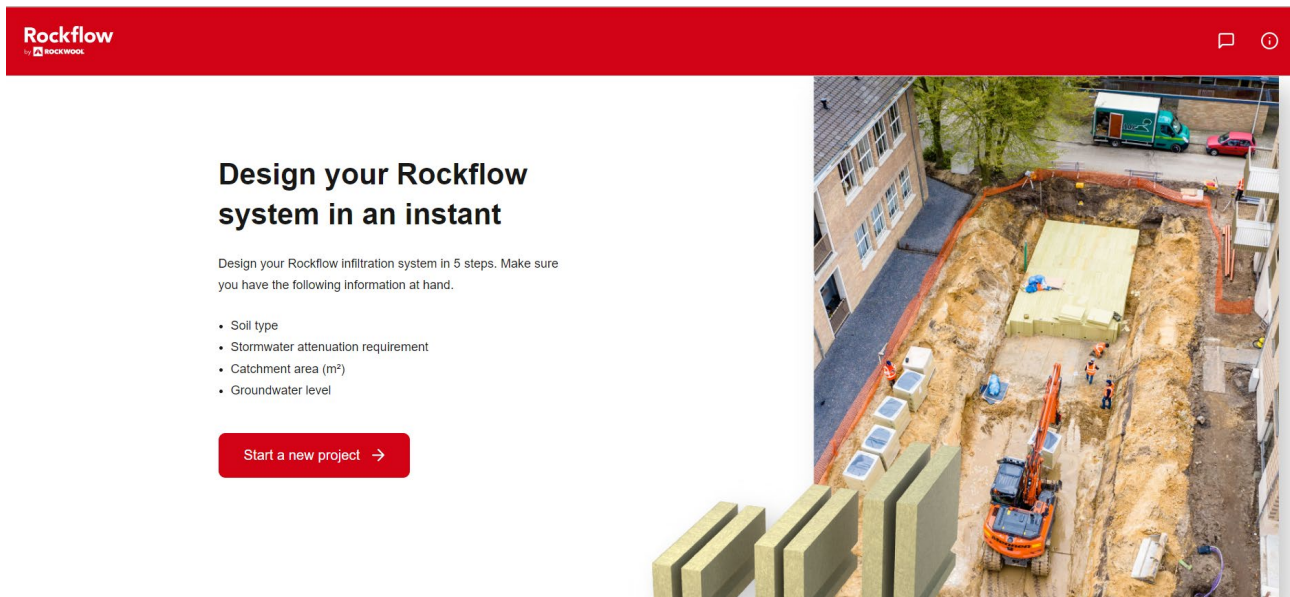
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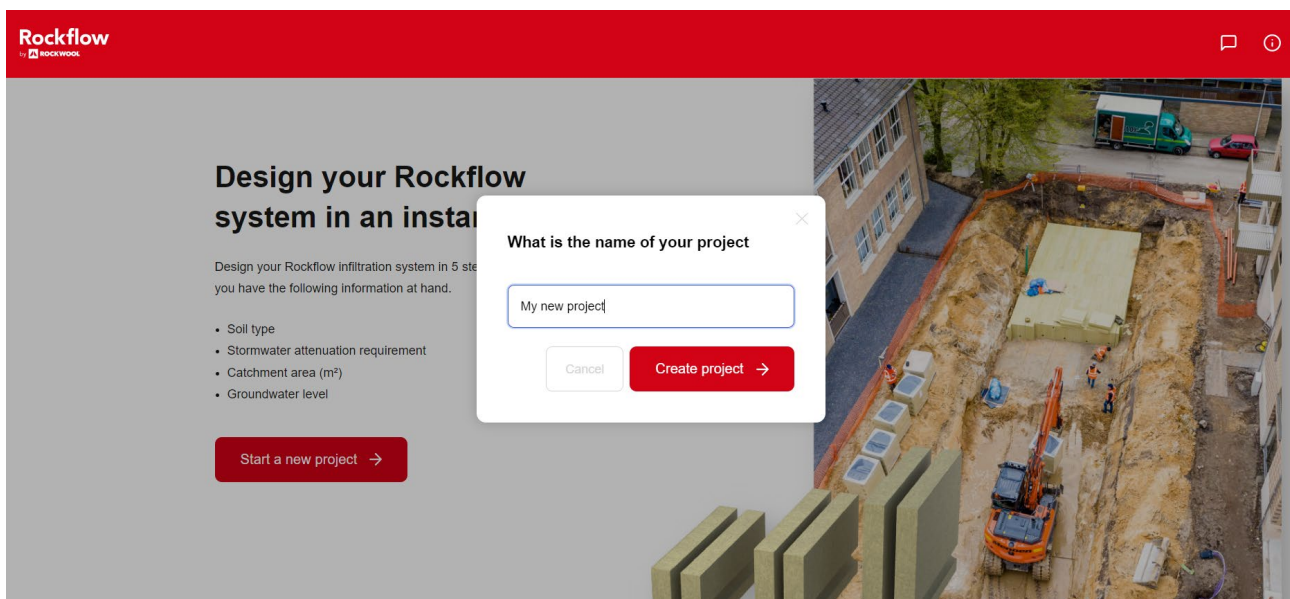
## Start a new project

Go to <https://www.rockflow.app/en> to launch the tool.



*The Rockflow Go home page.*

To start a new project, click on 'Start a new project'.



Give your project a name and click 'Create project'.

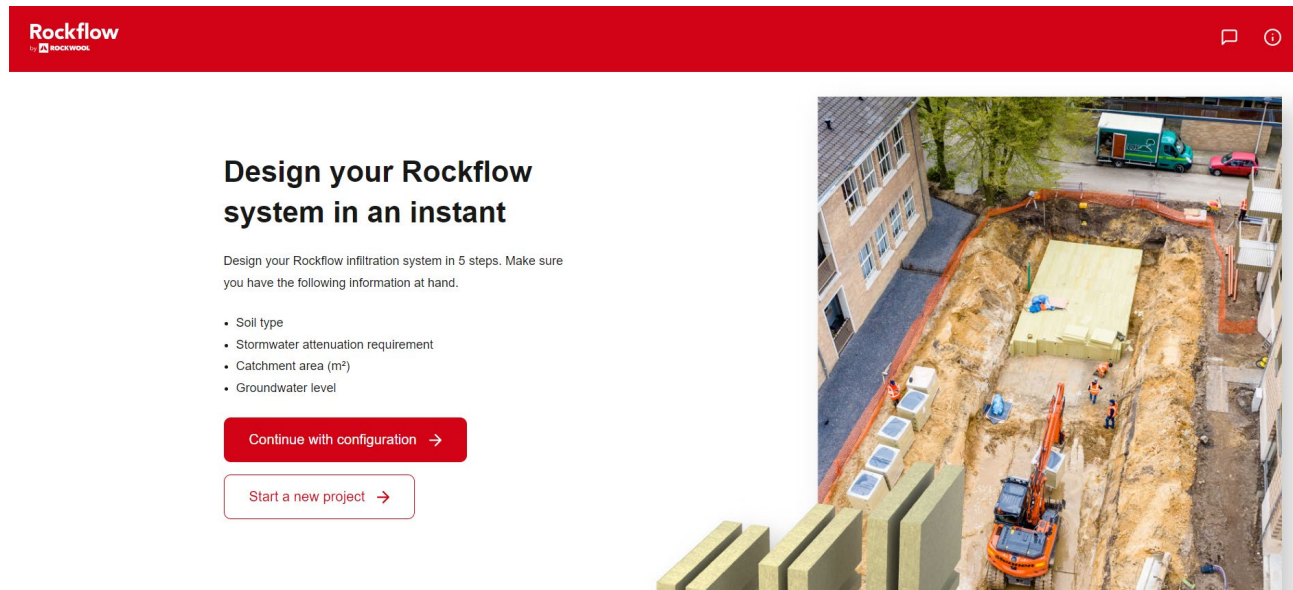
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## Resume a configuration

The tool remembers your last known configuration. You can come back later to complete a configuration. Or start a new project based on your previous design. To do this, click on 'continue with configuration' on the start screen.



**Rockflow**  
by ROCKWOOL

### Design your Rockflow system in an instant

Design your Rockflow infiltration system in 5 steps. Make sure you have the following information at hand.

- Soil type
- Stormwater attenuation requirement
- Catchment area (m<sup>2</sup>)
- Groundwater level

[Continue with configuration →](#)

[Start a new project →](#)

*Resume a configuration.*

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# Step 1: Location

## Project location

Enter your project location. Enter the address or select a location on the map. You do this by double-clicking on the map and moving the location marker to the desired location.

**Location**

Knowing the type of soil where the rainwater must be infiltrated or attenuated is essential for the correct application of our Rockflow products.

**Project location**

Enter the project address or double click on the map to select a location.

Trafalgar Sq, London WC2N 5DS, UK

- Trafalgar Sq London WC2N 5HR, UK
- WC2N 5DS Trafalgar Sq, London, UK
- Trafalgar Square Trafalgar Square, London WC2N 5DS, UK

Clay  Peat

Next →

Project location based on a typed address.

**Location**

Knowing the type of soil where the rainwater must be infiltrated or attenuated is essential for the correct application of our Rockflow products.

**Project location**

Enter the project address or double click on the map to select a location.

51.50756681100201, -0.1284387380981511

**Primary soil type**

Sand  Loam  Clay  Peat

Next →

Project location based on a double click on the map.

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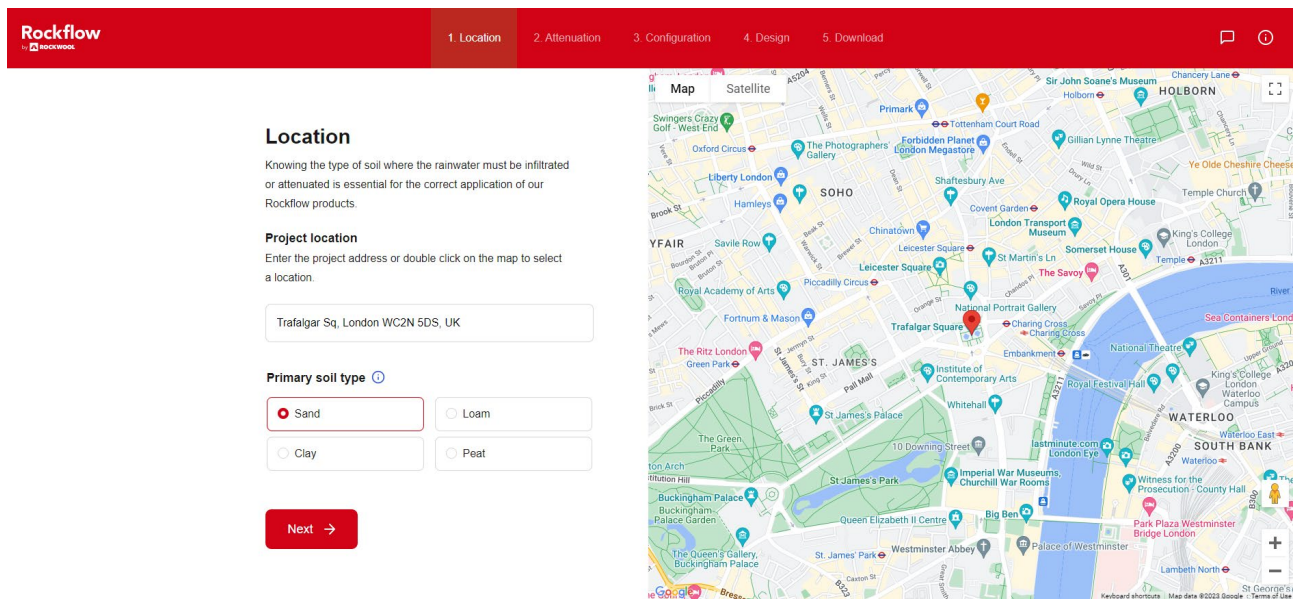
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## Primary soil type

Specify the primary soil type for your project location. You can choose between sand, loam, clay and peat.

It is important to specify the soil type of the project site, so that the infiltration rate of the subsurface can be included in the final design.

Your soil type selection will be included in the project documentation.



The screenshot shows the Rockflow software interface. At the top, a red navigation bar contains the Rockflow logo and five steps: 1. Location, 2. Attenuation, 3. Configuration, 4. Design, and 5. Download. The 'Location' step is currently active. Below the navigation bar, the 'Location' section includes a heading, a brief explanation of the importance of soil type, and a 'Project location' field with the address 'Trafalgar Sq, London WC2N 5DS, UK'. The 'Primary soil type' section features four radio button options: Sand (selected), Loam, Clay, and Peat. A red 'Next' button is positioned below the soil type options. To the right of the form is a map of London with a red pin indicating the project location at Trafalgar Square.

*Example of soil type choice 'sand'.*

Click 'Next' and proceed to step 2.

## ROCKWOOL Rainwater Systems

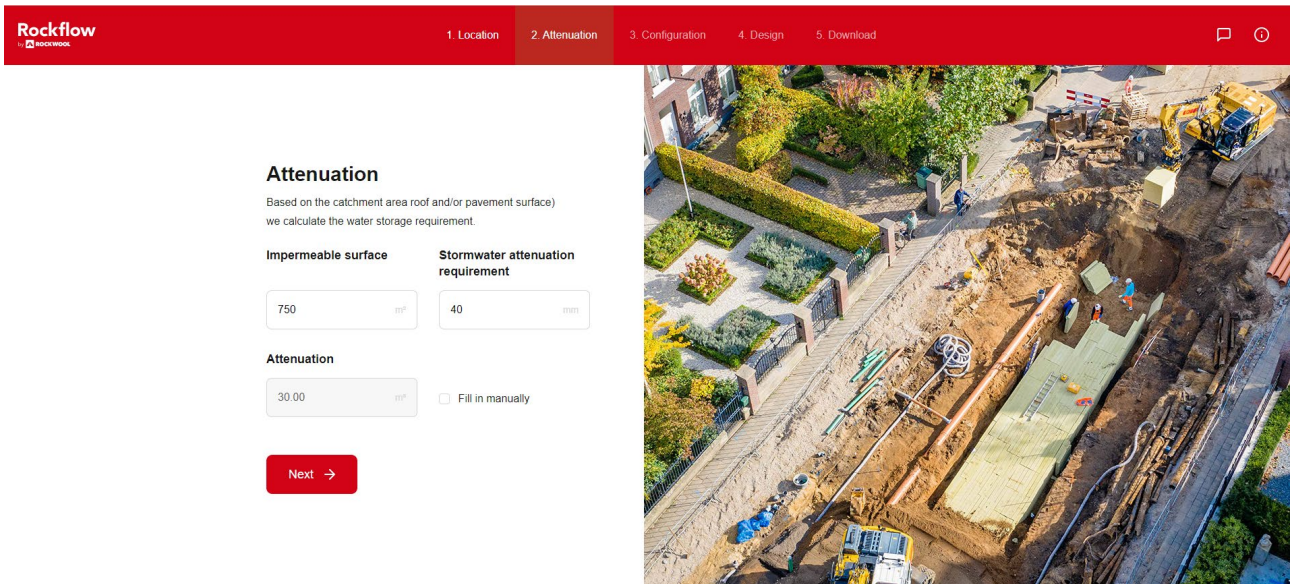
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## Step 2: Attenuation

In this step you calculate the required water attenuation. Specify the paved surface (m<sup>2</sup>) and the stormwater attenuation requirement (mm). The tool then calculates the required attenuation volume (m<sup>3</sup>).



**Rockflow**  
by ROCKWOOL

1. Location 2. Attenuation 3. Configuration 4. Design 5. Download

### Attenuation

Based on the catchment area roof and/or pavement surface) we calculate the water storage requirement.


**Impermeable surface** **Stormwater attenuation requirement**

750 m<sup>2</sup> 40 mm

**Attenuation**

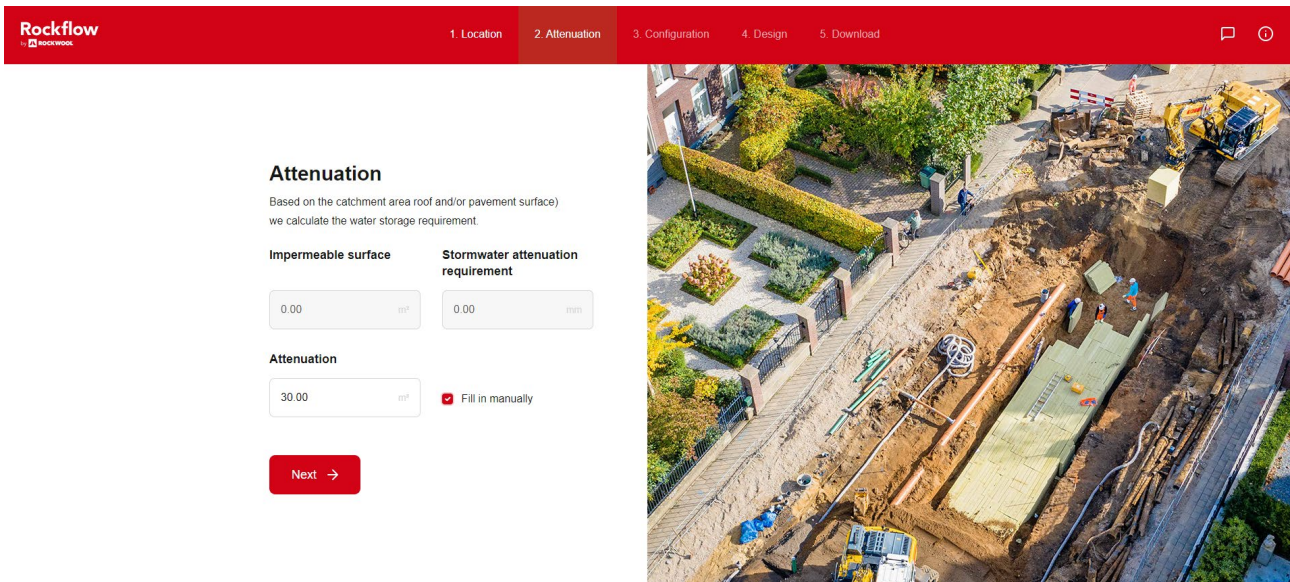
30.00 m<sup>3</sup>  Fill in manually

Next →



*De attenuation volume is automatically calculated based on the input values for the paved surface and the stormwater attenuation requirement.*

If known, you can also fill in the required attenuation volume directly. To do so, click on the check box next to 'Fill in manually' and enter the desired value.



**Rockflow**  
by ROCKWOOL

1. Location 2. Attenuation 3. Configuration 4. Design 5. Download

### Attenuation

Based on the catchment area roof and/or pavement surface) we calculate the water storage requirement.


**Impermeable surface** **Stormwater attenuation requirement**

0.00 m<sup>2</sup> 0.00 mm

**Attenuation**

30.00 m<sup>3</sup>  Fill in manually

Next →



*Specify water attenuation manually.*

Click 'Next' and proceed to step 3.

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## Step 3: Configuration

In this step you determine the height of your Rockflow infiltration buffer.

A Rockflow system is always installed above the groundwater level. The traffic load determines how much coverage is needed on the system.

First enter the groundwater level at your project location. The available space for the Rockflow system appears on the right part of the screen.

*The available space for your Rockflow buffer depends on the groundwater level and the traffic load and appears in the preview on your screen.*

Then choose for which traffic load the system should be suitable. Choose from 4 traffic classes

1. Pedestrians/ cyclists
2. Passenger cars
3. Freight traffic up to 15 tons axle load
4. Heavy freight traffic up to 20 tons axle load and asphalted roads

The higher the traffic load, the greater the coverage required. The available space for your buffer system is shown as a preview on the screen.

**i** If a solution with the standard Rockflow type (WM2005) based on high groundwater levels and heavy traffic load is not possible, the tool will automatically apply the stronger Rockflow variant (WM2007).

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### Configuration

We determine the correct height of the Rockflow system on the basis of the groundwater level and traffic load.

#### Groundwater level [🔍](#)

1.40 m

#### Axle load

Pedestrians / cyclists  
Less than 10 tons of axle load

Passenger cars  
Max. 10 tons of axle load

Freight traffic  
Max. 15 tons of axle load

Heavy truck traffic and asphalt roads  
Max. 20 tons of axle load

Next →



*Selecting the heaviest traffic class increases the required coverage in the preview and reduces the available space for Rockflow.*

Click 'Next' and proceed to step 4.

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## Step 4: Design

Now that you know the height of your Rockflow system, you can adjust the other dimensions (width and length) of your design to your liking. This allows you to optimally adapt your buffer design to the available space at your project location.

**Design**

Use the slider below to optimise the buffer dimensions for the available space within your project.

Length (Steps of 1.20 m)  m

Width (m)	7.65
Height (m)	0.50
Rockflow (m <sup>3</sup> )	32.10
Attenuation (m <sup>2</sup> )	30.50
Required number of Rockflow elements (pcs)	357
Product type	WM2005
With water vent (pcs)	98
Without water vent (pcs)	259

[Next →](#)

**Front view (cross-section)**

7.65 m  
0.50 m

Water channel  
Vent channel

**Top view**

7.65 m  
8.40 m

*Front and top view of your Rockflow design.*

On the right side of your screen you see a front view (section) and a top view of your design. Elements with water channels are shaded light grey. Elements with vent channels are shaded dark grey.

On the left side of your screen you find all details about your design:

- Length (m), width (m), and height (m)
- The number of cubic meters of Rockflow stone wool and the resulting water attenuation volume (m<sup>3</sup>)
- The number of required Rockflow elements with and without duct and the type of Rockflow stone wool (WM2005 or WM2007)

### Adjust dimensions

With the slider you can adjust the length of your Rockflow system; the longer you make the system, the more narrow it gets. The front and top view of your design change dynamically with your slider selection.

The tool ensures that the distribution of the water and air ducts is automatically adjusted according to the Rockflow design principles.

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## Design

Use the slider below to optimise the buffer dimensions for the available space within your project.

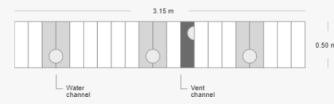
Length (Steps of 1.20 m)  m



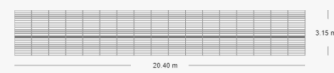
Width (m)	3.15
Height (m)	0.50
Rockflow (m <sup>2</sup> )	32.10
Attenuation (m <sup>2</sup> )	30.50
Required number of Rockflow elements (pcs)	357
Product type	WM2005
With water vent (pcs)	119
Without water vent (pcs)	238

Next →

### Front view (cross-section)



### Top view



*An adapted design: The system has been extended to 20.40m, making the overall system shape more narrow.*

Once you have configured your ideal system shape, click 'Next' and proceed to the last step.

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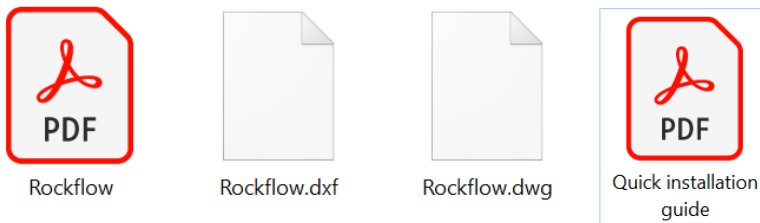


## Step 5: Download

Your design is complete. You will now receive the following information:

- Your draft design in PDF, DXF and DWG
- A product list
- A designated Rockflow consultant as a contact person
- The Rockflow installation manual

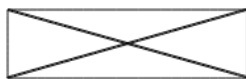
All information is bundled in a .zip file.



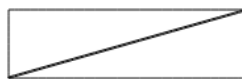
*Your project .zip file contains 4 attachments.*



In the top view of the DXF/ DWG files, the water and air vents are highlighted as follows:



*Water duct*

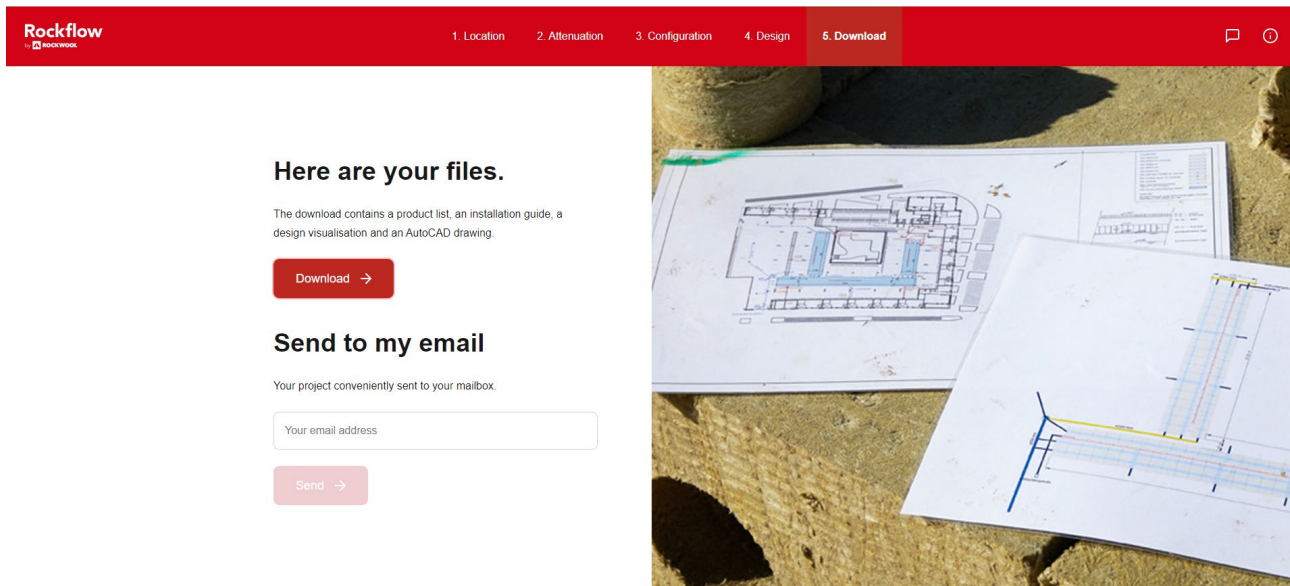


*Air duct*

*Legend DXF/ DWG bestand.*

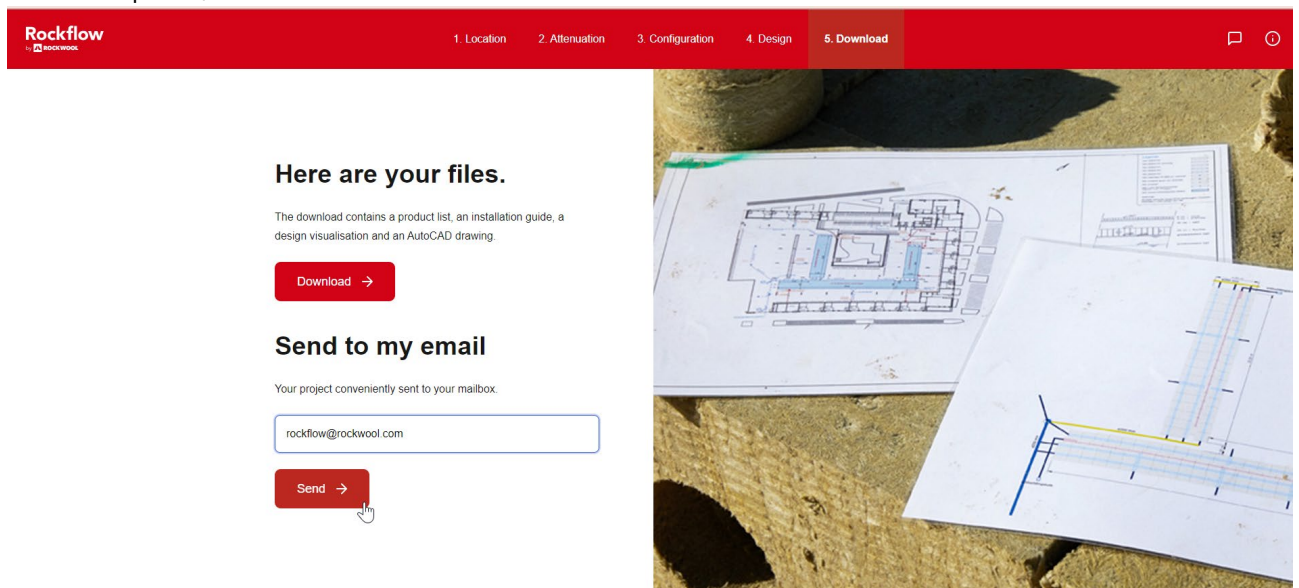
You can choose how you want to receive your .zip file::

- **Optie 1: Download**  
You download the .zip file to your computer or tablet.



*Option 1: Download de project data to your local disk.*

- **Option 2: Send by email**  
For this option, enter a valid email address and click on 'Send'.



*Option 2: Receive all information by email.*

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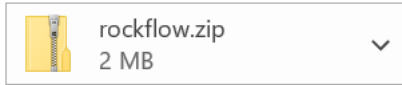
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## Project Zip



Rockflow GO <rockflow@rockwool.com>

To ○ Rockflow



**Rockflow**  
by **ROCKWOOL**

### Rockflow project: My new project

Thank you for configuring a Rockflow system online. Based on the data you entered, a concept design and product list have been added to this email.

**Attachments: Drawing, product list, installation manual**

This documentation is for illustrative purposes only and provides a possible solution. No rights can be derived from this. As a next step, always consult a Rockflow consultant.



Technical advisor

**Daan Los**

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*Example of the email with the project .zip and the contact details of a Rockflow consultant in your area.*

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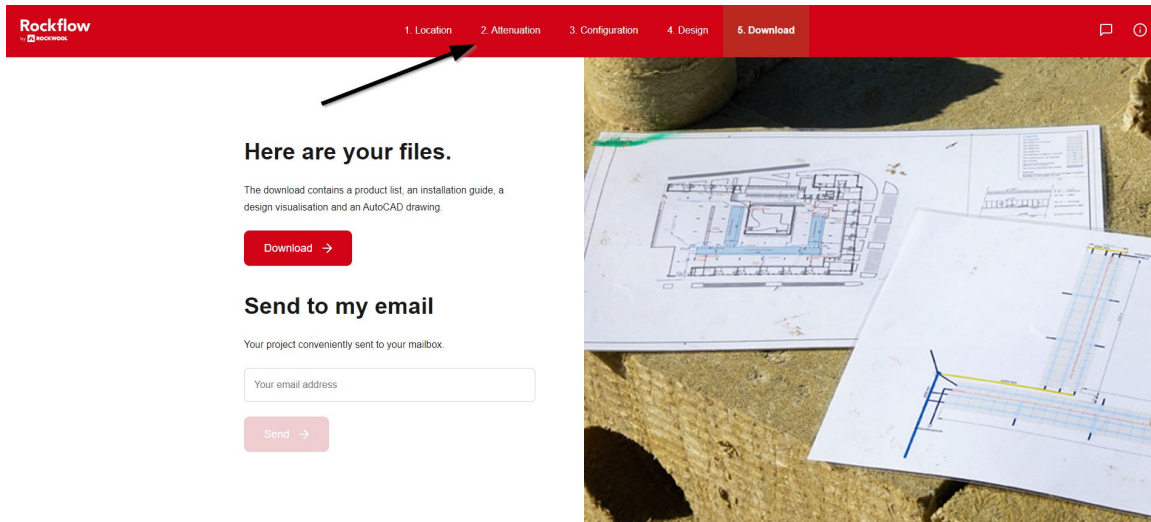
# Navigation & help

## Home

One click on the Rockflow logo takes you back to the homepage.

## Navigation bar

Use the navigation bar at the top of your screen to go back to a previous process step. This way you can change the data entry per screen if desired.

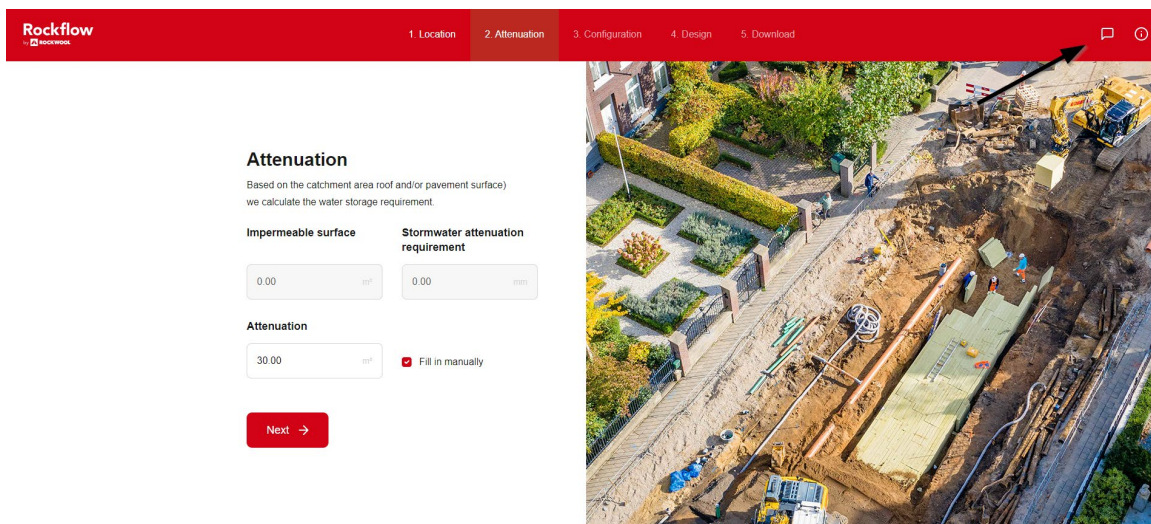


Click on a process step in the top navigation bar to return to that screen.

## Help

Do you get stuck during your design process?

Clicking on the speech bubble at the top right will take you to a help page. There you will find the contact details of our advisors, who will be happy to help you.



Open the help screen by clicking on the speech bubble at the top right.

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## How can we help you?

Contact our team for questions and assistance with creating a Rockflow design.



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Area manager

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Find more information here [rockwool.com/rockflow](https://rockwool.com/rockflow).



*On the help screen you will find the contact details of our advisors and a link to our website.*

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