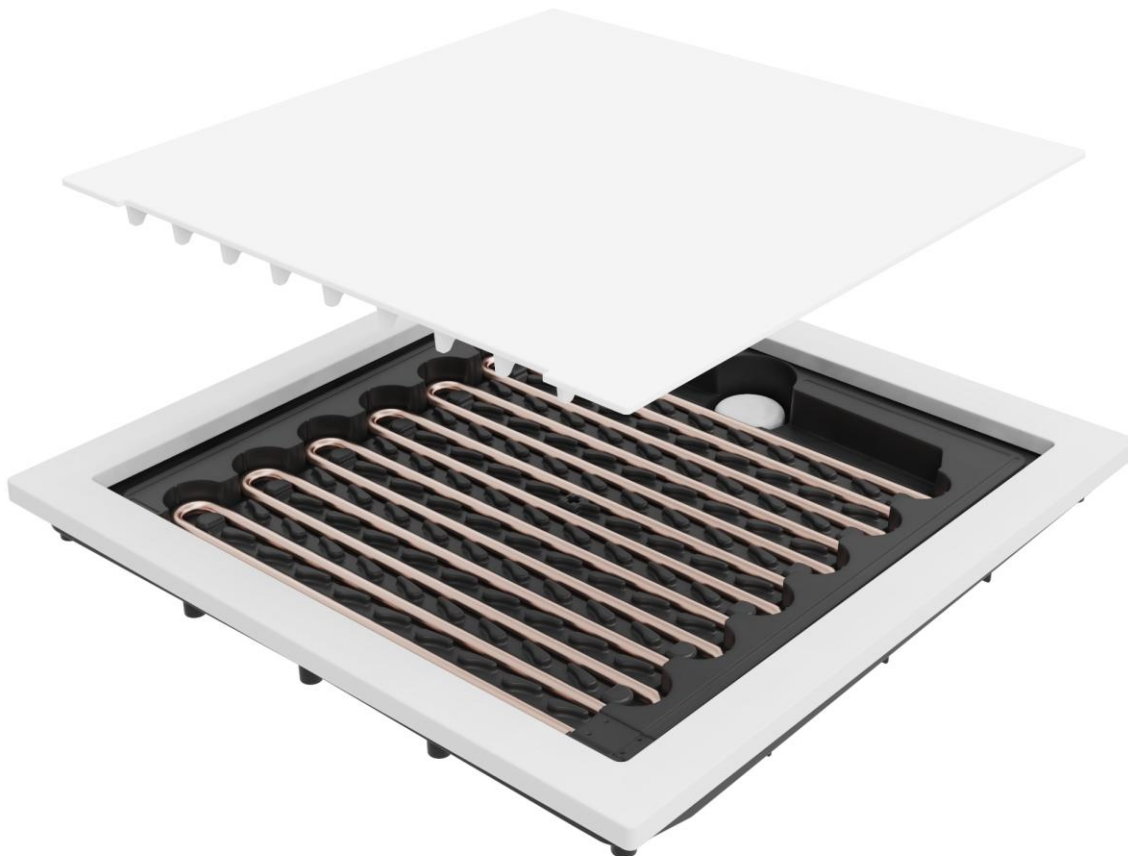


Recoup Sanura Line X-Tray WWHR

Installation & User manual



Index

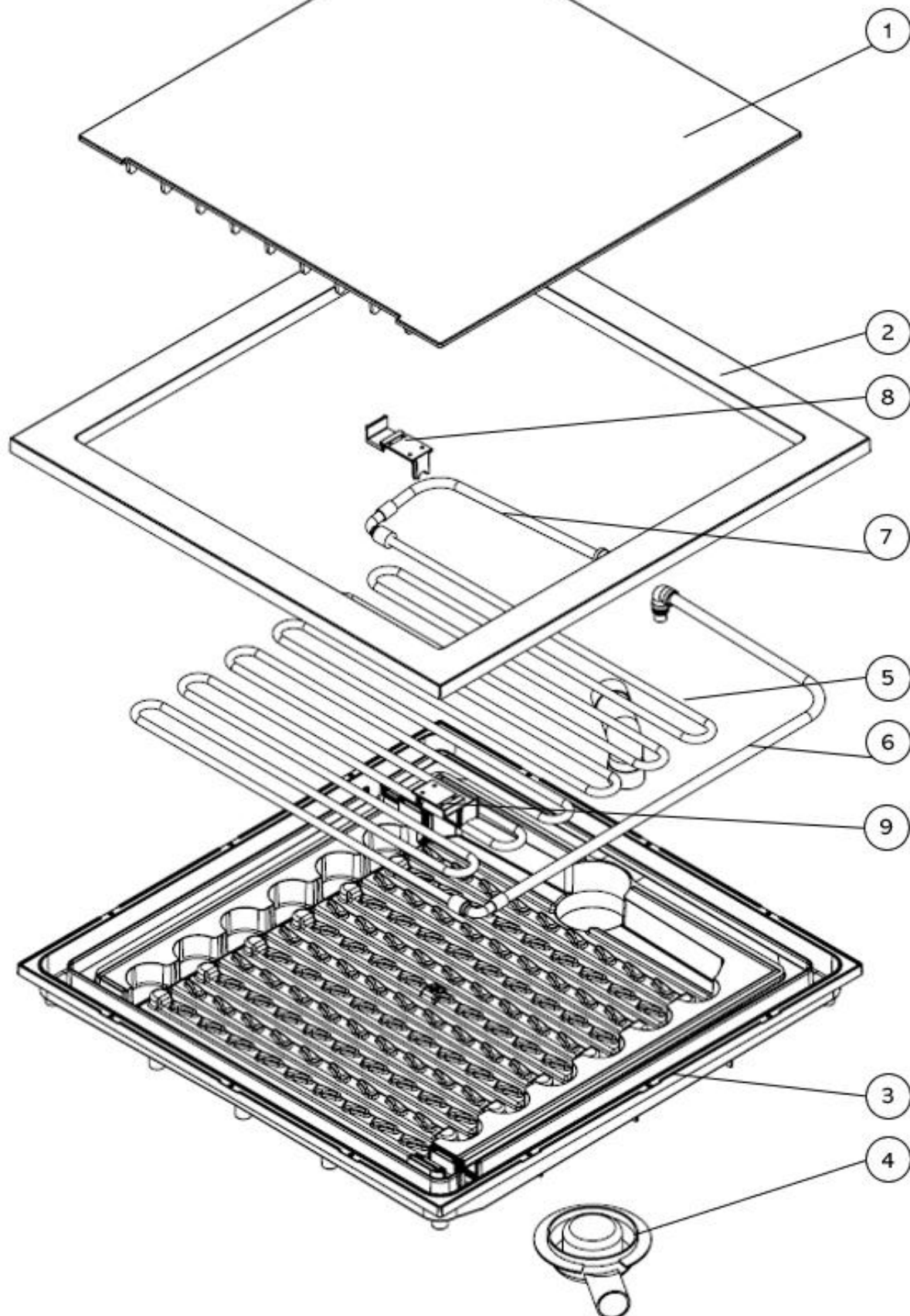
Components	2
Views and dimensions	4
Technical data	5
Installation	6

Components

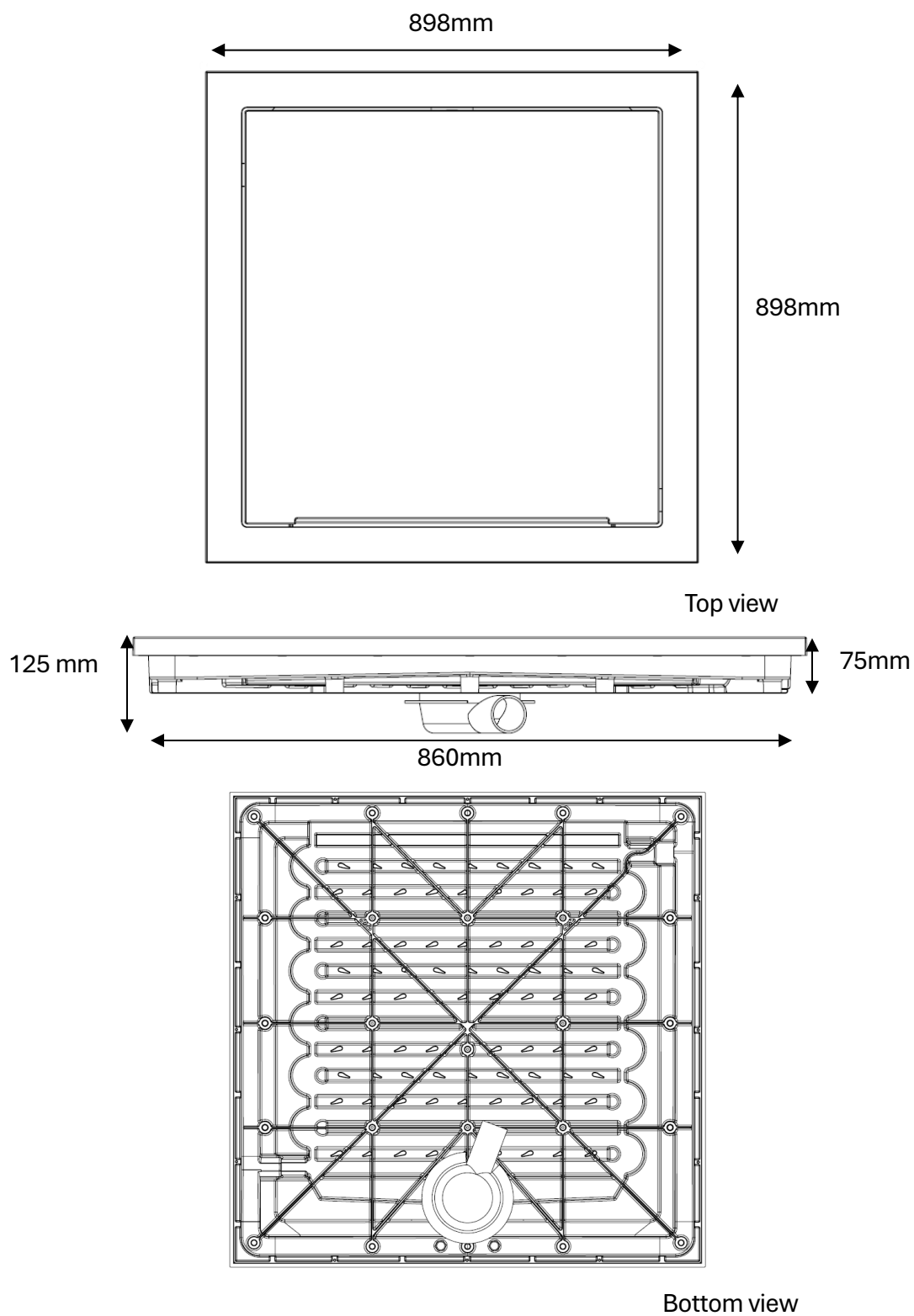
The following components are included:

- X-Tray including:
 - Top plate (1)
 - Frame (2)
 - Base tray with: (3)
 - Drain (4)
 - Pipe (5)
 - Drain hose with grommet (6)
 - Supply hose with grommet (7)
 - O-ring inlet (8)
 - O-ring outlet (9)

All components are individually replaceable



Views and dimensions



Technical Data

General Information

The Recoup Sanura X-Tray is a **Drain Water Heat Recovery (DWHR)** unit that connects directly to the shower drain. Depending on the system configuration, the DWHR unit can be connected to the cold-water inlet of the shower mixing valve and/or the domestic hot water heater.

Safety Information

The Recoup Sanura X-Tray has been designed in accordance with the requirements of **NEN 1006**, the Dutch standard specifying the requirements for drinking water installations with regard to public health, safety and operational reliability. The building owner is legally responsible for the drinking water installation from the point of supply (typically the water meter), including any extensions, modifications and ongoing maintenance.

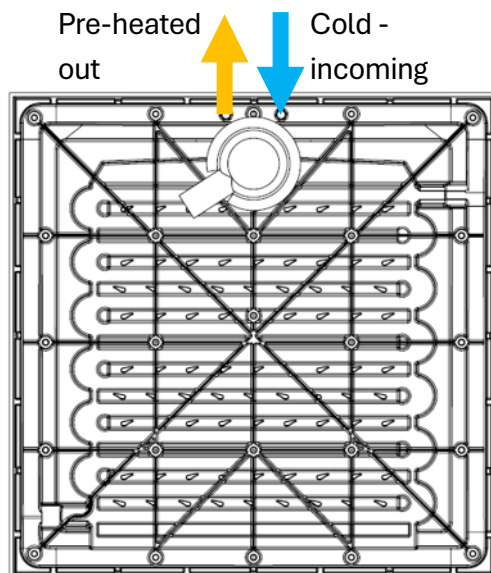
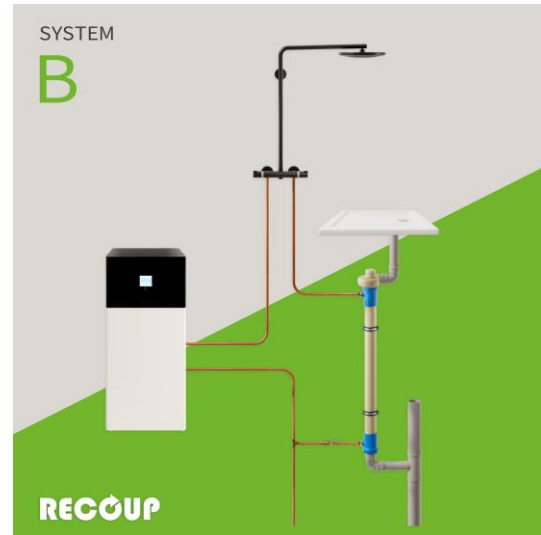
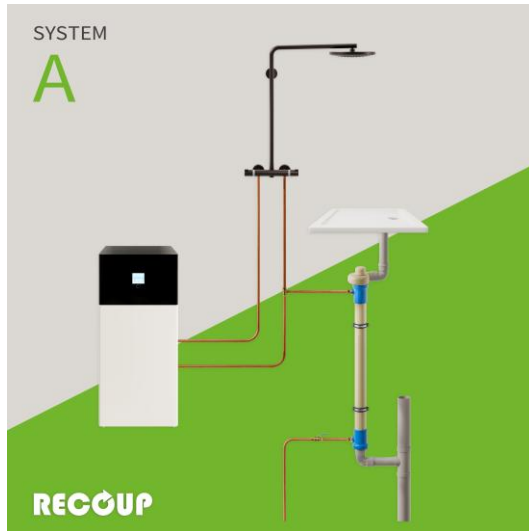
The X-Tray incorporates a high-flow heat exchanger with no dead legs and no insulation. As a result, the Sanura X-Tray complies with all **TNO** requirements regarding Legionella safety. Nevertheless, prolonged exposure of the heat exchanger to ambient temperatures above **25°C** must be avoided. In addition, the connecting pipework must **not** be insulated. An inspectable **EA backflow prevention valve** must be installed in the cold-water supply line to the heat exchanger.

All materials used in the Sanura X-Tray that come into contact with drinking water are approved for potable water applications in accordance with European drinking water standards and therefore pose no risk to human health.

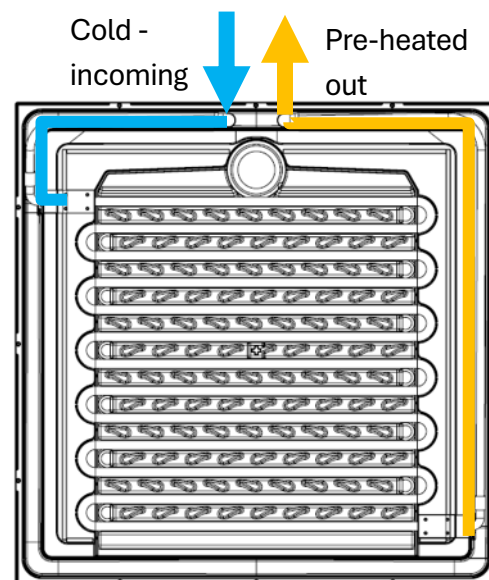
Technical Specifications

Specification	Value
Minimum water pressure	1 bar
Maximum operating pressure	7 bar
Recommended water pressure	3 bar
Maximum water temperature	60 °C
Heat exchanger volume	1.1 L
Heat exchanger material	Copper (Cu-DHP / ASME SB-75)
Housing material	ABS
Connection size	½ inch
Maximum load	200 kg

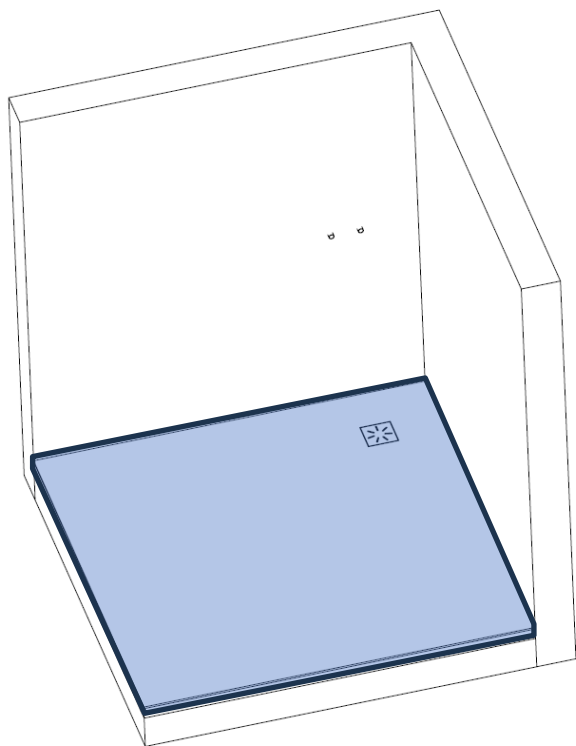
Installation – Connection diagram



Connecting pipes to ½" thread

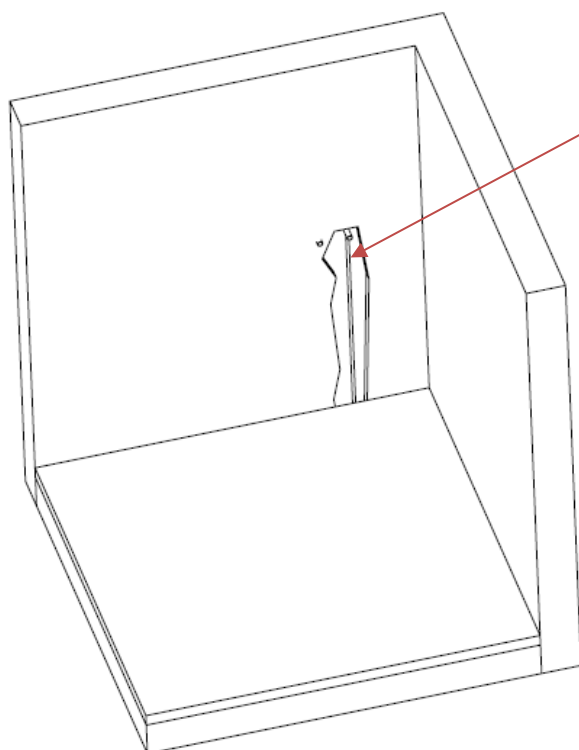


Installation



Prerequisites:

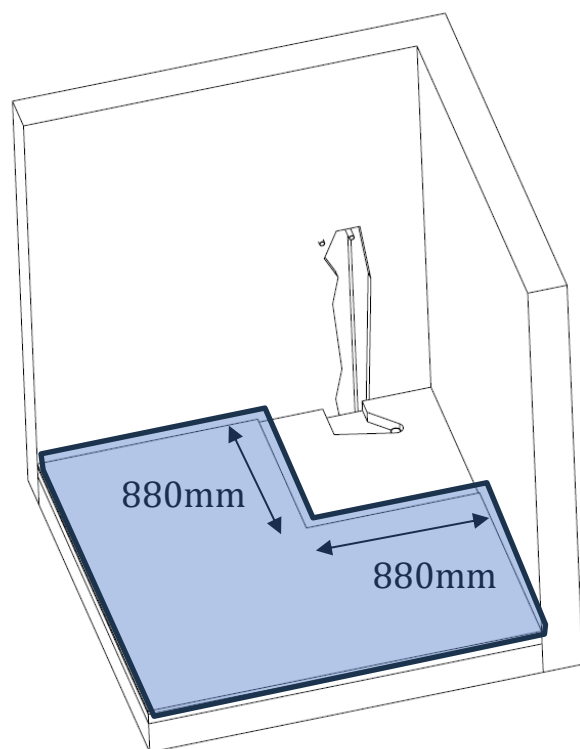
- Minimum clear installation area:
900 × 900 mm
- Shower mixing valve installed
- Floor drain in place



Cold water supply

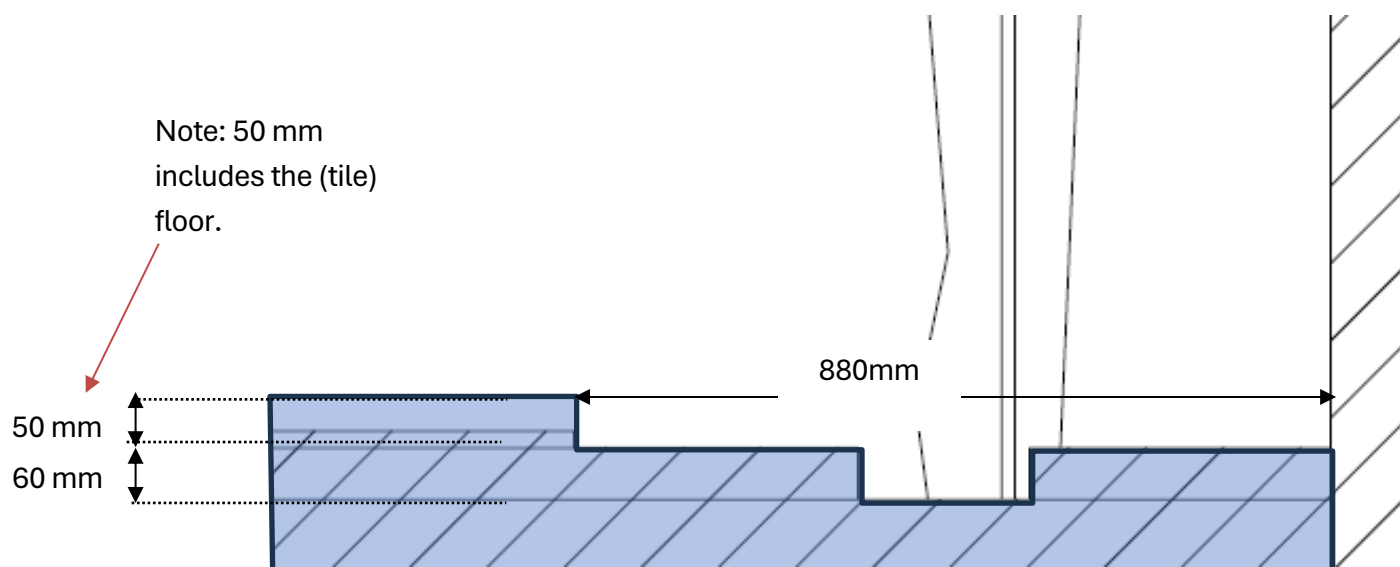
- Clearing cold water pipe -

Installation

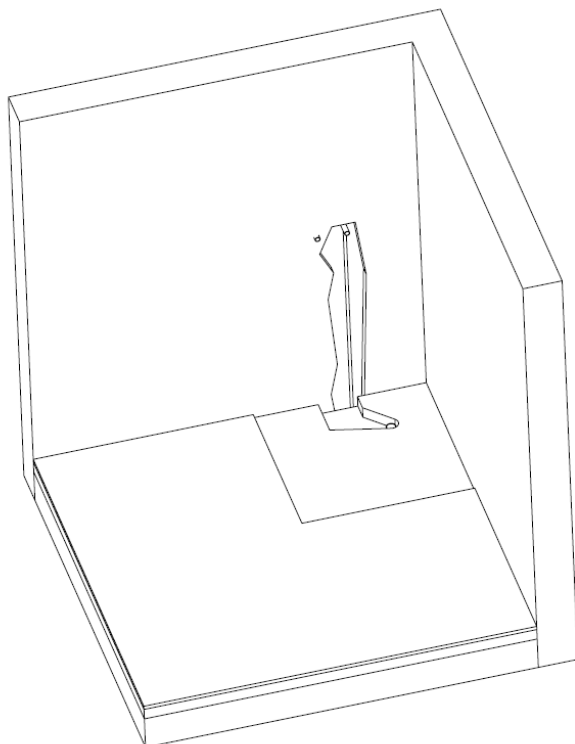


Break out or build up (raise) the cement screed 880x880 mm.

Ensure a level, even and flat surface.



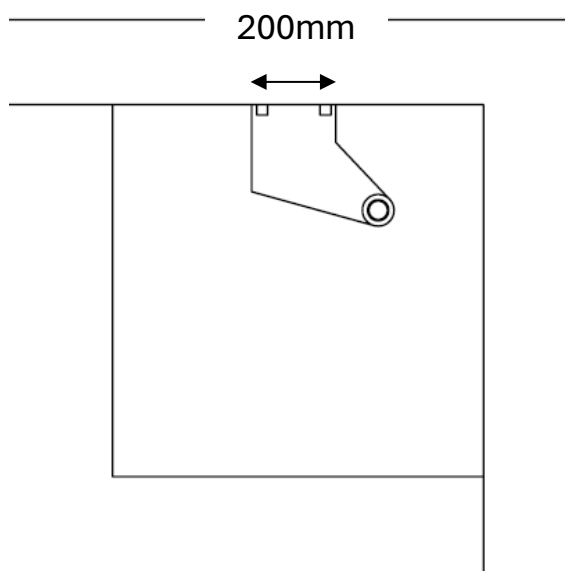
Installation



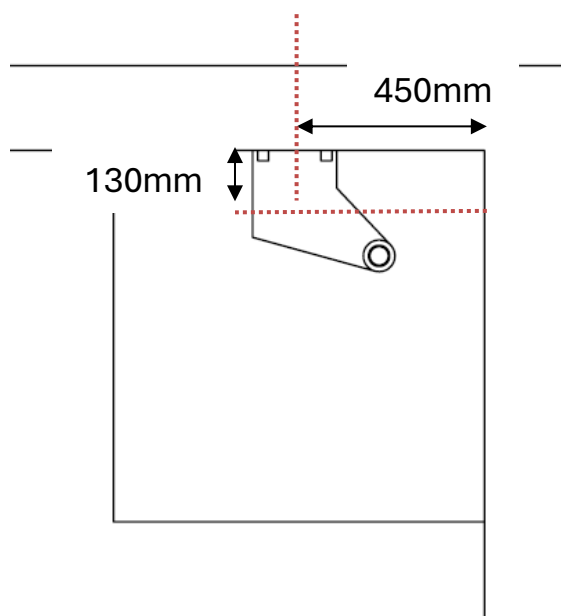
Place ½" connection as close as possible to the cold-water supply line.

NOTE: keep space free for drainage, drainpipe, and tap connection.

NOTE: DO NOT EXCESSIVELY CHISEL OUT.

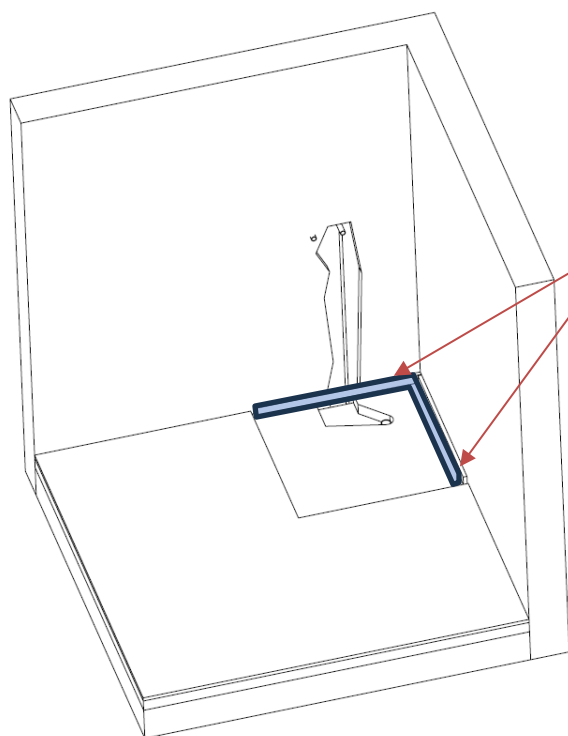


NOTE: Allow sufficient clearance for the drain and drainpipe.



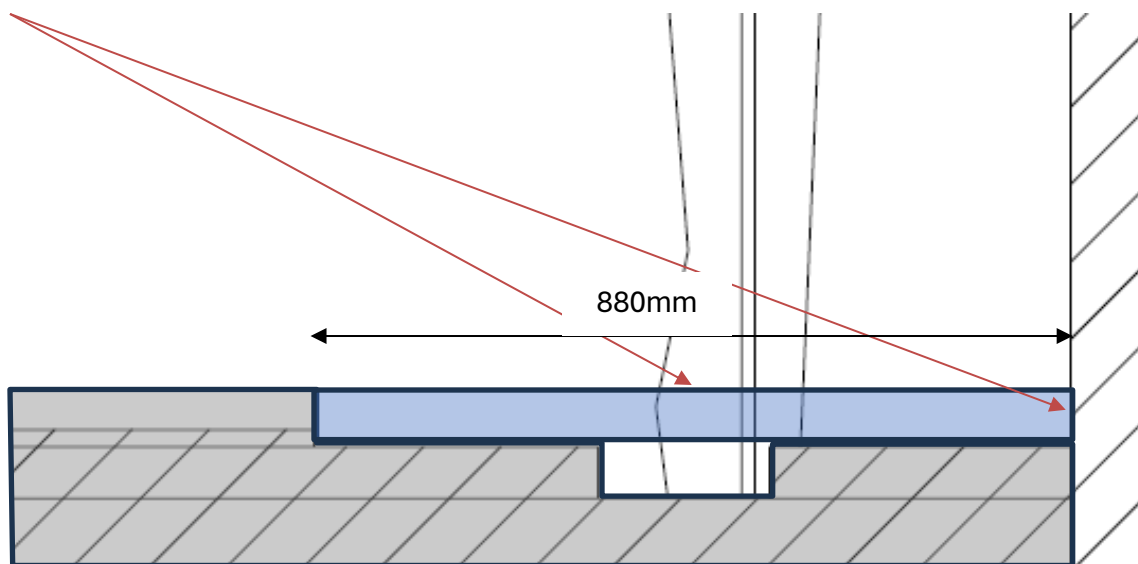
Connect drain to 50 mm drainpipe.

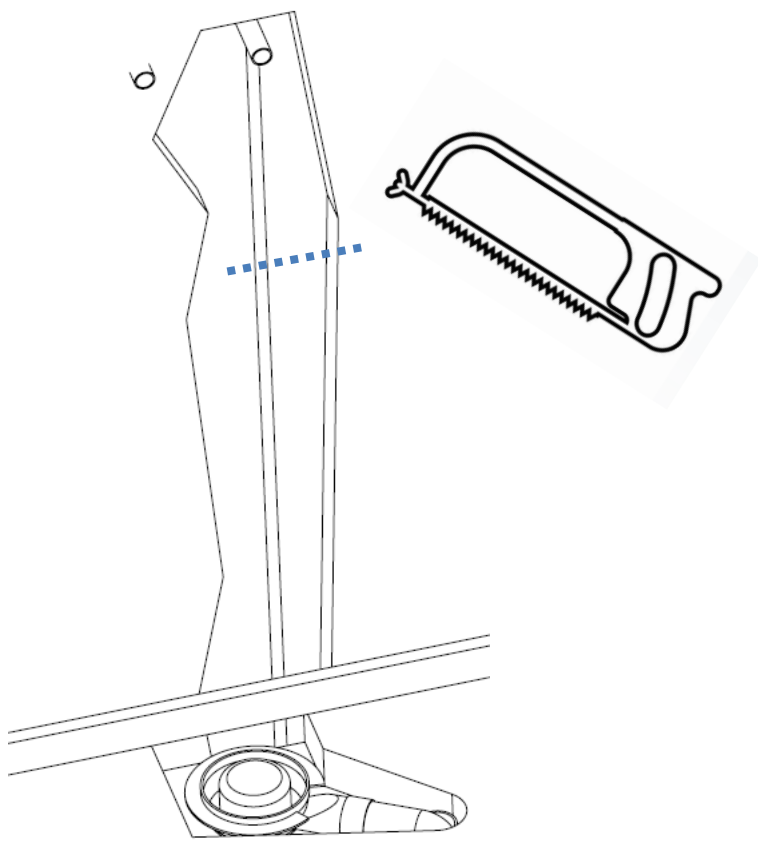
Installation



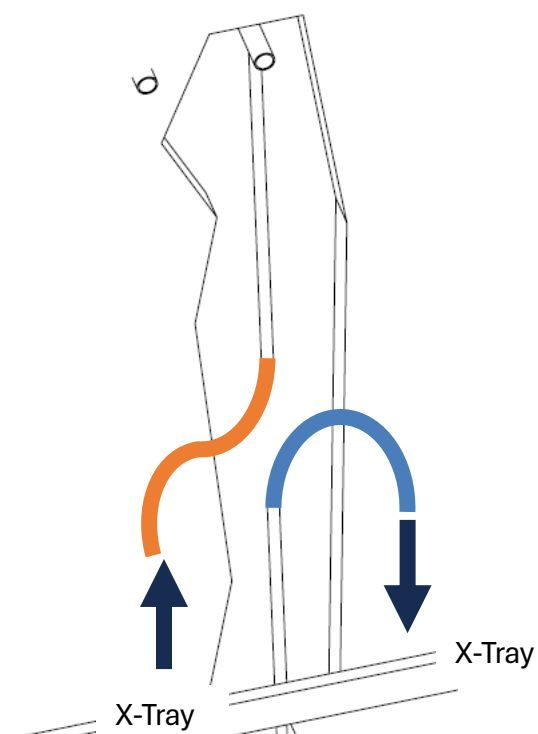
Installation of 2 x 18 mm x 50 mm battens

Installation of 2 x 18 mm x 50 mm battens





Connection to the cold-water supply

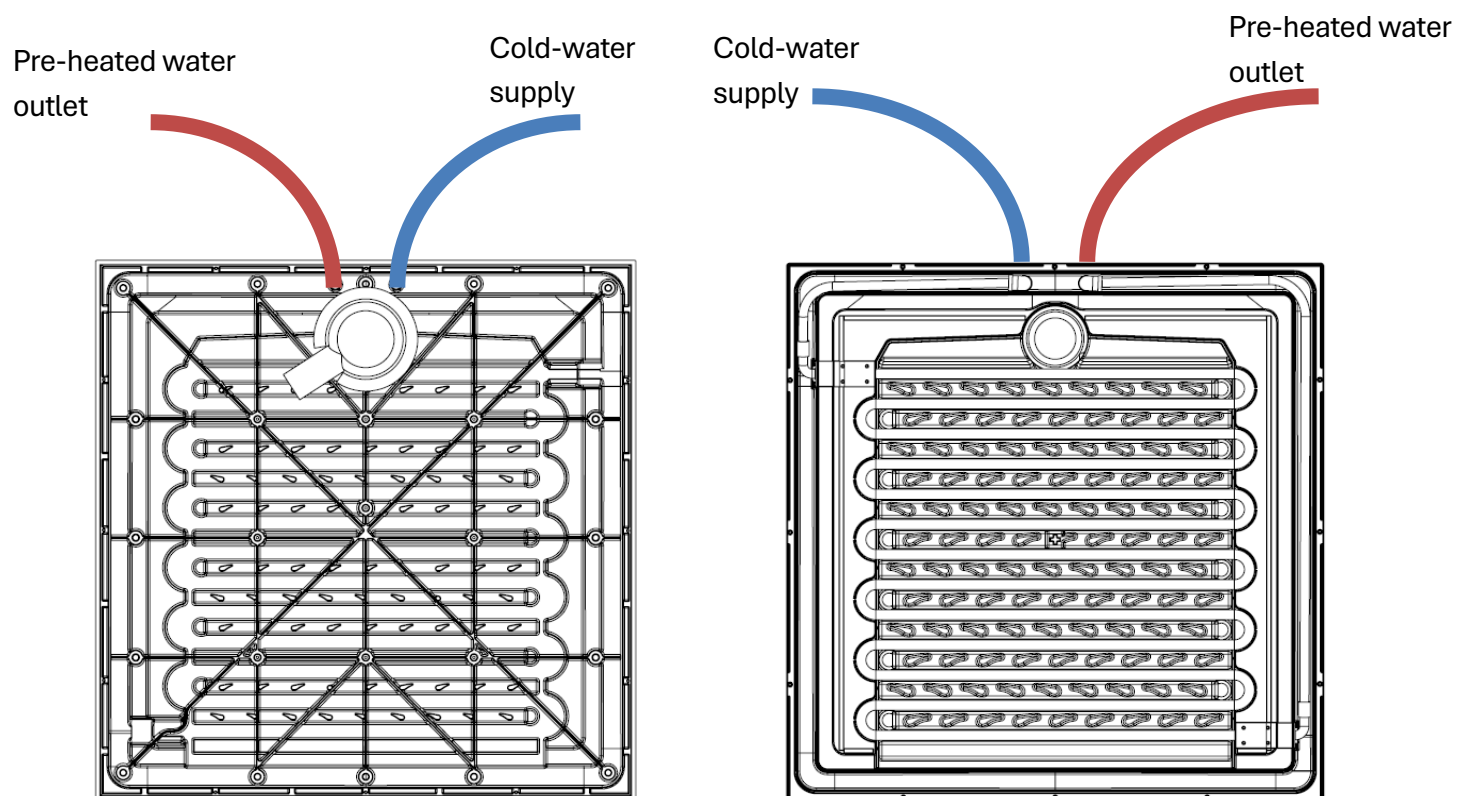


Cold water supply to X-Tray

Preheated water supply to mixing valve

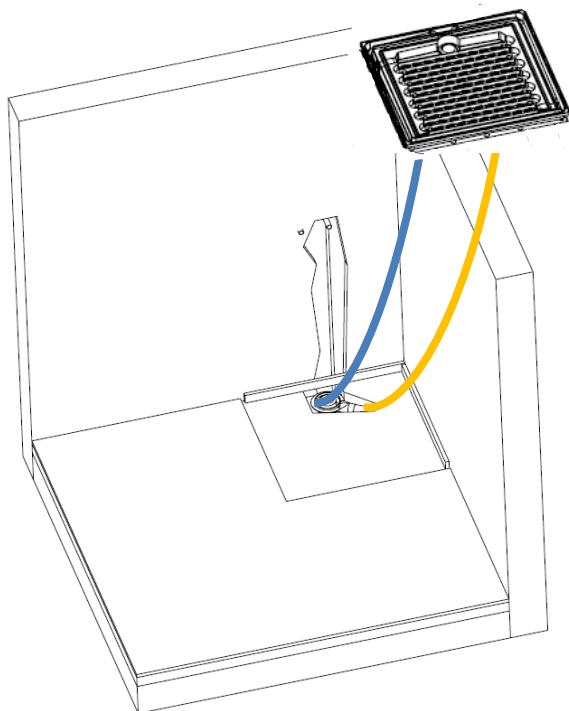
Installation

Connect pipework to the ½" threaded connection

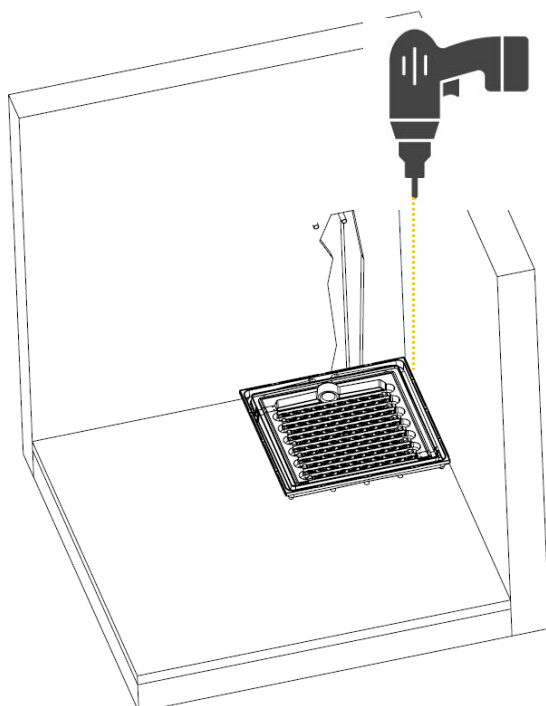


Installation

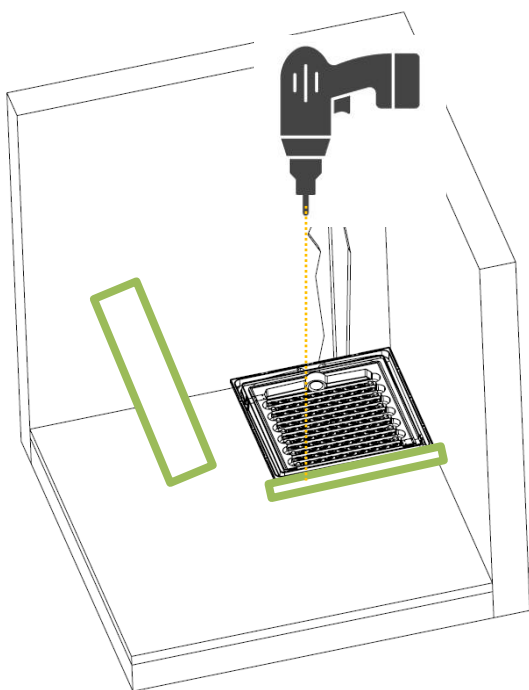
Installing the X-Tray



Securing the shower tray with screws



Installation



Secure the skirting panels with screws.

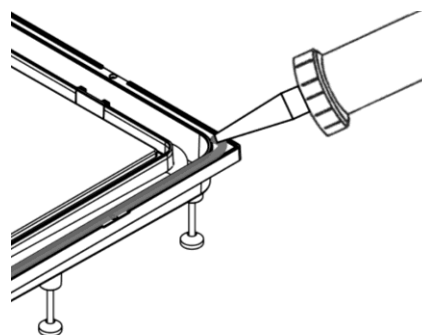
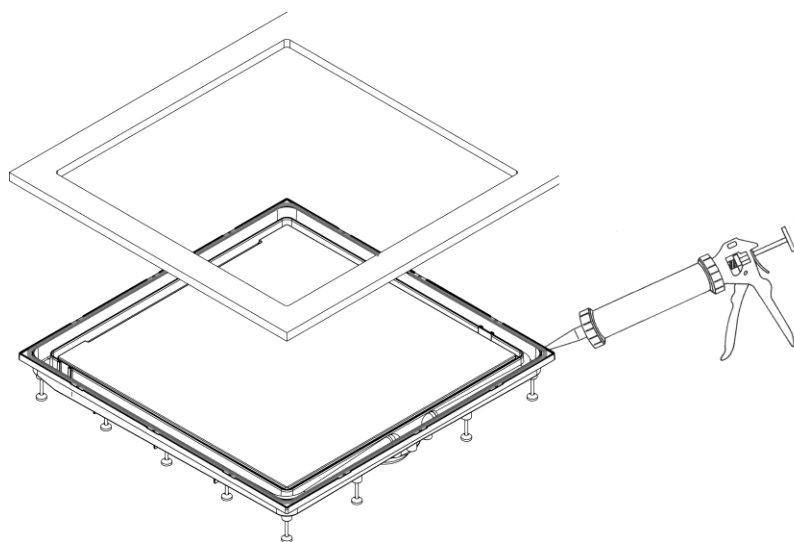
Note the corner joint:



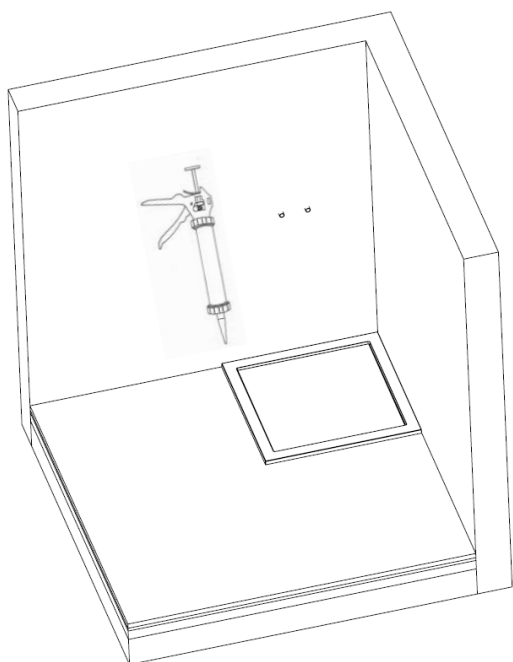
Install the surround.

IMPORTANT:

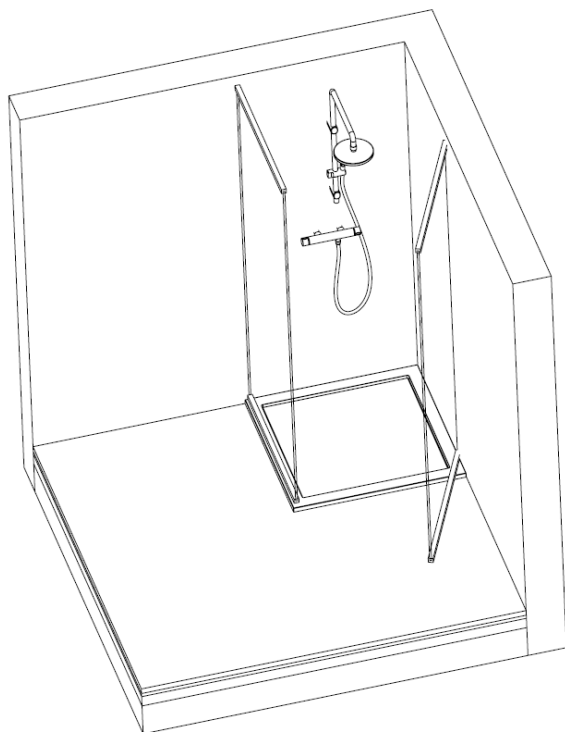
Apply a continuous bead of sealant in all configurations to ensure a watertight seal.



Installation



Applying sealant and installing the mixer valve



Install the mixer valve and shower enclosure (not supplied).

Technical Specification & Performance

Parameter		
Efficiency 5.8 l/min	47.8%	0.18 bar Pressure drop
Efficiency 9.2 l/min	43.5%	0.45 bar Pressure drop
Efficiency 12.5 l/min	40.0%	0.80 bar Pressure drop
Max. water pressure	7 bar	(min. water pressure 1 bar)
Content potable water	1.1L	
Max. temperature	60 ° C	
Max. load	200 kg	