





BPC: reliable & efficient

Comparison of couplings: no-hub coupling & BPC coupling

A standard no-hub coupling requires manual tightening of hose clamps both above and below the subfloor in difficult-to-reach or inaccessible areas. In contrast, the BPC self-clamping, blind coupling incorporates a bottom hose clamp and top spring clamp activated from within the pipe ensuring accessibility and a watertight, debris-free seal every time. This distinction significantly impacts overall functionality, ease of use, and user confidence.

Installation process

The installation process for the BPC requires 5 simple steps:

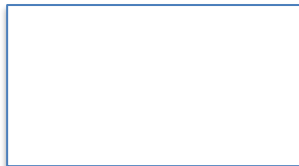
1. **Trimming the waste line:** The waste line must be cut to the appropriate length to ensure a proper fit.
2. **Pre-fabricating the waste line and dry fitting:** A dry fit of the cut waste line to the trap is necessary to verify alignment and fit before finalizing the installation.
3. **Gluing:** The prefabricated line connected to the BPC must be glued to the waste line for a secure connection.
4. **Securing the trap with the BPC's steel anchor straps:** Steel anchor straps attached to the BPC are used to hold the assembly in place and provide codecompliant stability if needed.
5. **Finalizing the connection using the activation tool:** The last step involves using an activation tool to engage the self-clamping, spring-loaded mechanism, which tightens below the subfloor, ensuring a secure and watertight connection.



Water - Tight Guarantee

The BPC system employs a spring loaded, self-clamping mechanism with steel anchor straps for securing the unit. Additionally, the enclosed activation tool plays a crucial role in ensuring a watertight connection by activating the spring clamp inside of the BPC. This **dual securing method** enhances the reliability and durability of the BPC system providing an added layer of confidence in its performance and safety.

CONTACT US



www.bpc-coupling.com



No-hub couplings reinvented



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PROBLEMS IN CONNECTING “LINEAR DRAIN” TO A WASTE LINE

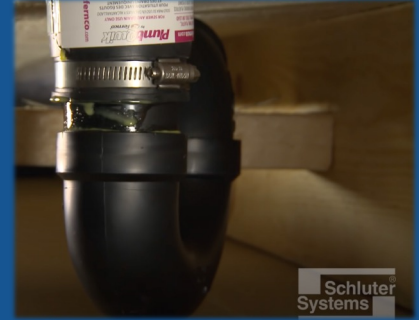


Limited access beneath
subfloor:
limited size hole by
building code



When different materials
outlet / waste line no-hub
coupling only solution

- 1 ring can be fastened. 2nd ring not accessible = opening ceiling below
- Alternative Solution: to fasten abs/pvc pipe on 2nd ring so can be glued = no visible control



When glueing : no visible
control. Connection happens
under the subfloor. When
waste line not 100% vertical or
alligned, drain pipe will not
enter in the waste line
connection (while you think it
is) = leak.

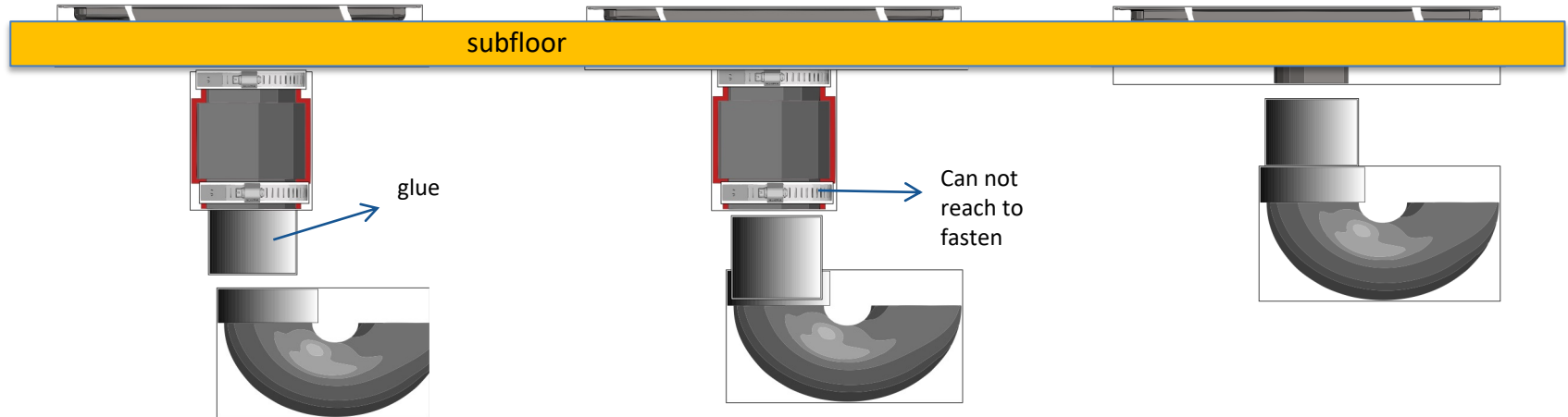
CURRENT SOLUTIONS

Simulation actual situations

Waste line / outlet no 100% match = tension on waste line and connection : no-hub coupling not flexible

No hub coupling
Most applied solution = opening ceiling

Glueing allows Limited time
Wasteline has to be perfect vertical
Twisting important for spreading cement glue



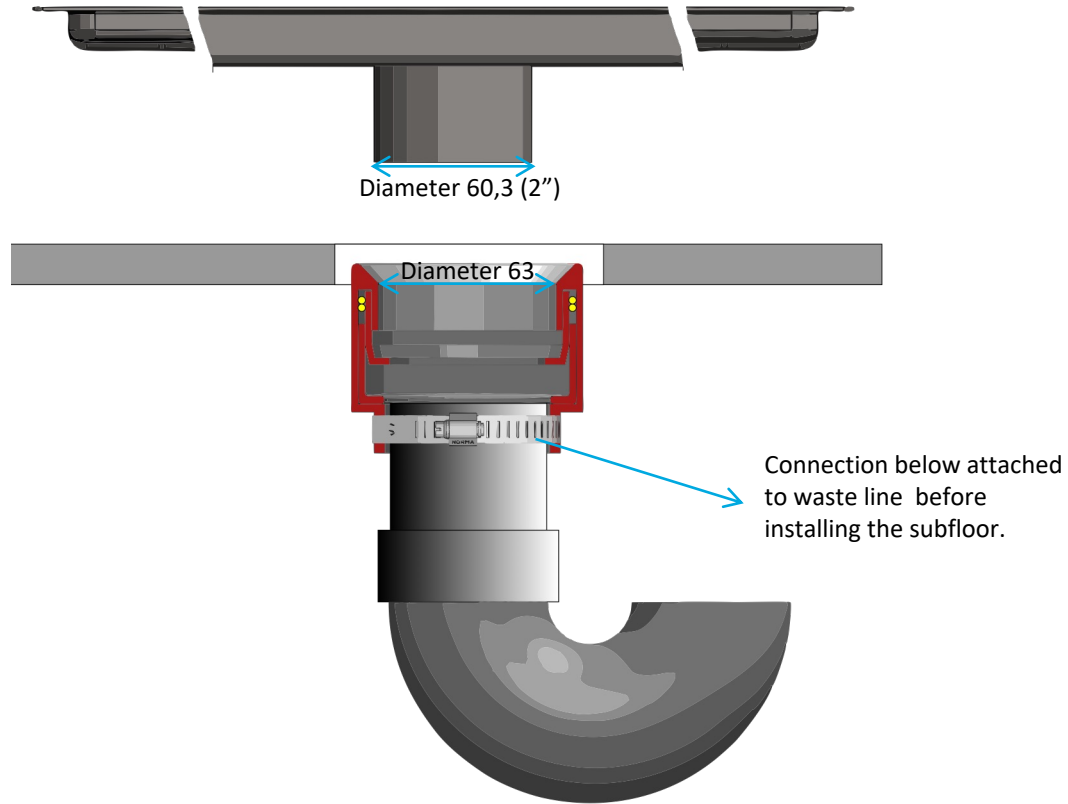
In each situation you need to execute **multiple** measurements for correct cutting the waste line on the correct length

CURRENT SOLUTIONS

No-hub coupling / cement glue



BPC : subfloor removed



Installation : subfloor removed

Installation manual



Positioning BPC with clamp
On waste line, flush with joist
Or subfloor (see positioning BPC)

Important to check "positioning BPC"
to install BPC at correct height.



Install subfloor over BPC anchor
Strips going through the hole in subfloor



Remove rubber band
and bend down the anchor
strips and fasten to the subfloor

In 70% of the cases the subfloor will be removed :

- Repositioning waste line
- Lowering subfloor
- Replacing waste line (old and clogged)



For drain installation first position
the drain support or lookalike.



Install drain or shower pan on the
subfloor or support. Outlet pushed
inside BPC.



Push the activation tool through the
Inside of the waste pipe.
Use the correct side of the activation tool.

When you hear a "clack" the waste pipe
is secured connected to the waste line.

Ready to continue further installation

Diagram illustrating the connection of a drain assembly to a pipe. The assembly features a red flange with a diameter of 60,3 (2") and a larger outlet pipe with a diameter of 63. A blue arrow points to the outlet pipe.

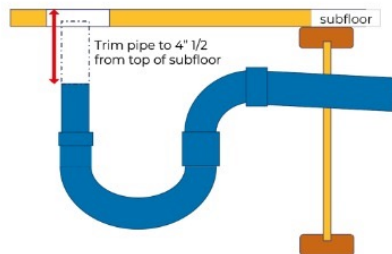
- OD-ID 2"
- OD-OD 2"

Installation : subfloor NOT removed



3 step installation: it's as simple as that

* The dimensions stated are for a drain with a 2" long drain pipe



Trim the waste line :

Trim the wasteline +/- 4" 1/2" from the top of the subfloor



pipe 1" 5/8

coupling PVC/ABS



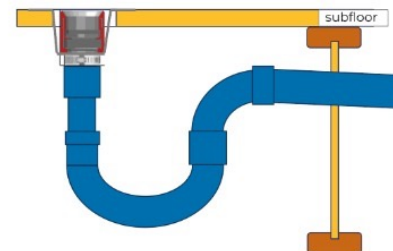
pipe 1" 5/8 glued to coupling PVC/ABS



Coupling assembly push in BPC and fasten with hose

Pre-fabricate the connection coupling

Cut a 1" 5/8" piece of a 2" pipe (pvc or abs) and insert into a 2" coupling. Fasten to the bottom of the BPC and dry fit the assembly for height accuracy. In most instances the BPC must be level to the top of the subfloor.



Secure BPC's steel anchor straps and activate

Glue connections together with appropriate adhesive, fold anchor straps over the top of the subfloor and fasten. Install drain, remove red spider, insert activation tool into drain pipe and press down. A "pop" will be heard when activated.

BPC INDISPENSABLE in following situations

Linear drain integrated in
shower pan
=
Prefab supplied



All situations where a
shower board / pan is
**installed before installing
the linear drain**



Future wise the BPC will allow
designers of shower pans in different
materials (ceramic, solid surface,...)
more freedom in their designs. No
limits anymore towards how
connecting the shower pan to the
drain system.

Linear drains in general

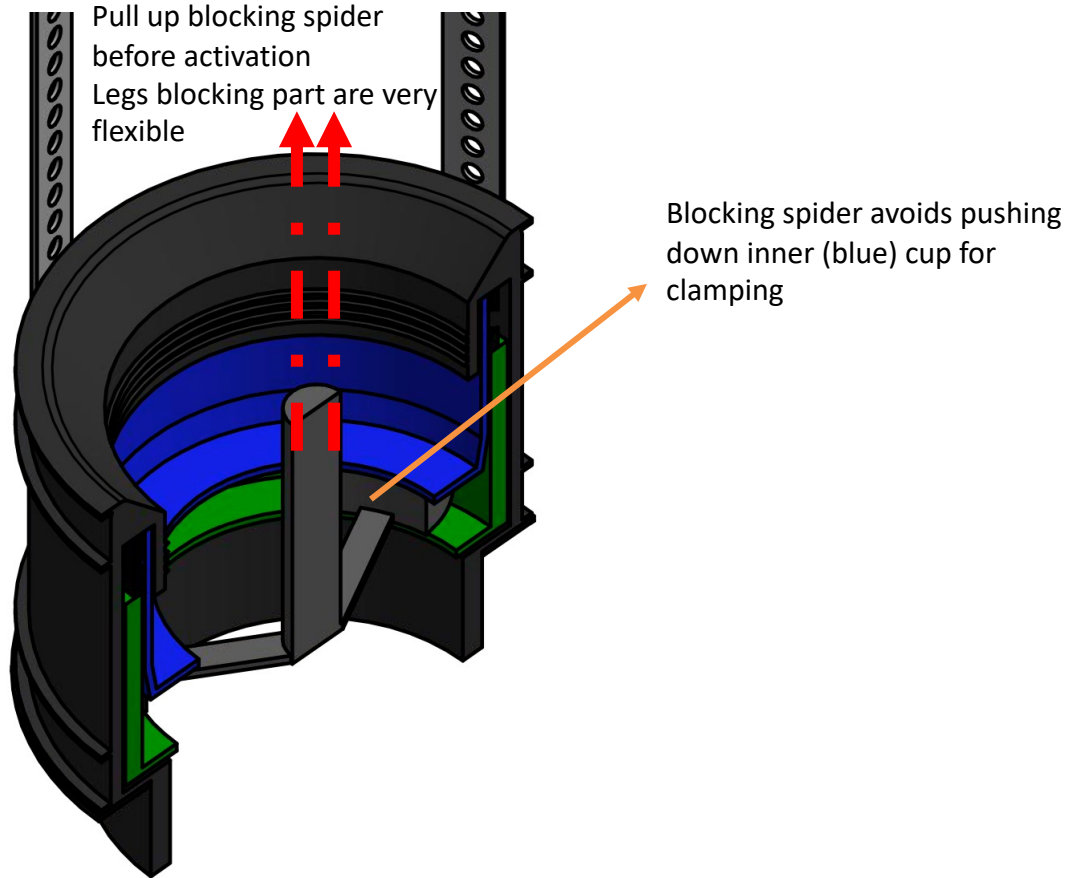
Earthquake sensitive area's

Blind Pipe Connector (BPC)

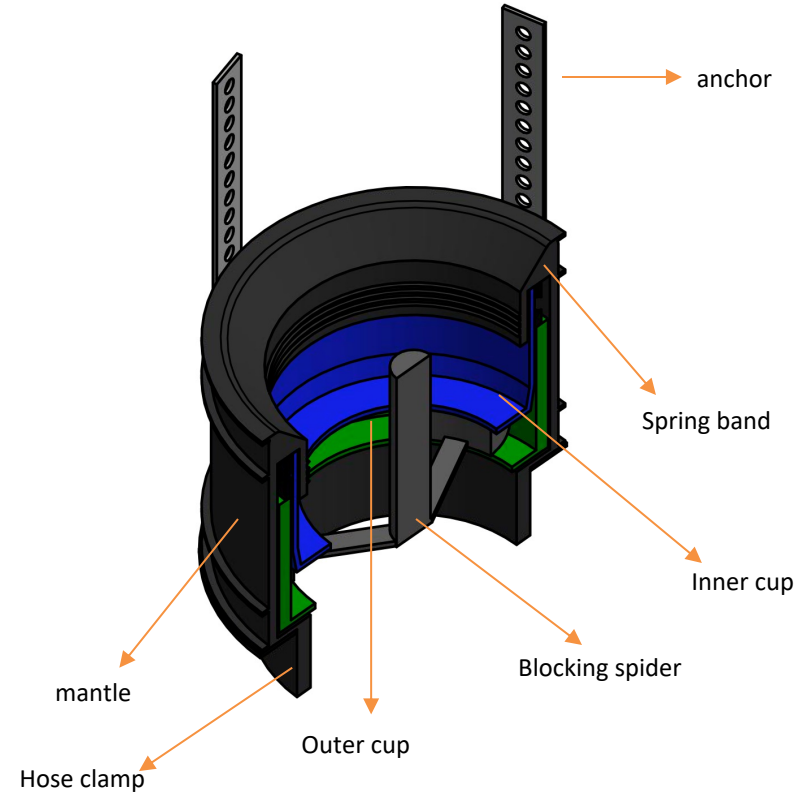
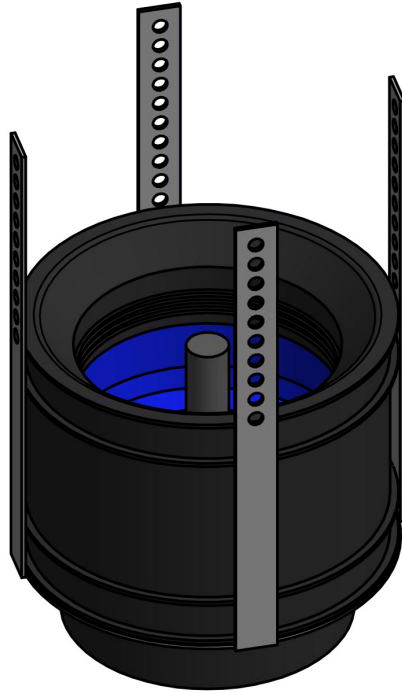
- For shower pans, drains and point drains, it's very hard to connect the pipe to the waste line when you can't reach beneath the subfloor. Opening the ceiling below is often the only option (no-hub coupling).
- BPC is installed, on top of the waste pipe or siphon below subfloor, flush with the top level of the subfloor or the joists (depending length drain pipe linear drain=1 position for Schlüter drain)
- When you install the shower pan / drain, the pipe will enter in the BPC on the right spot (conicle inlet), the BPC will be activated by the inside of the pipe and the spring clamp will "snap" the drain outlet on the correct spot.
- ICC/PMG approved
- Activation of the BPC can happen in all stages of the installation. Even after tile installation!!!

Tremendous time and cost saving
Product is really idiot proof

Installation : blocking spider



BPC :



Made out of the best materials :



B.P.C.

Data sheet

Component	material	color
1	Mantle	Neopreen
2	Inner cup	ABS
3	outer cup	ABS
4	blocking spider	ABS
5	Spring band	51CrV4 steel, zinc and organic top coated
6	Anchor	Galvanized steel
7	Hose clamp	Stainless steel 304

Production :

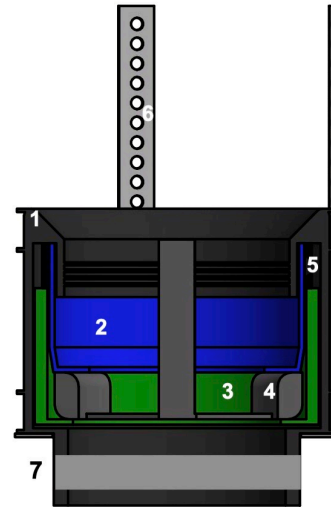
1	Mantle	Belgium
2	Inner cup	Netherlands
3	Outer cup	Netherlands
4	Blocking spider	Netherlands
5	Spring band	Germany
6	Anchor	Netherlands
7	Hose clamp	Germany

Assembly :

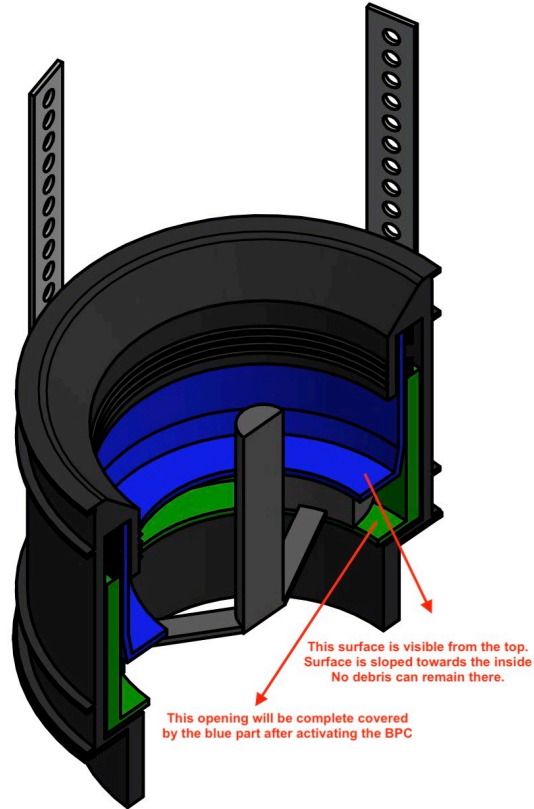
Belgium	Ambachtslaan 5340 3800 Sint-Truiden
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Certifications (pending)	ASME A112.4.4-2017
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GeNi*Us BV, Ambachtslaan 5340 - 3800 Sint-Truiden (Belgium)
BE0845.532.890 - Tel : 0032-489 47 47 82 - geert@genius-belgium.com



BPC : debris free



IN ANY SITUATION



Can't reach the connection
(no-hub coupling) to fasten



Drain outlet is different
material than the drain pipe
/ siphon



Fast and secure connection
with visual control from
above



**Straight connection is
difficult to achieve
= BPC is flexible**



Where a drain (linear or
point drain) is prefab
supplied with
shower pan

BPC Installation Subfloor NOT removed



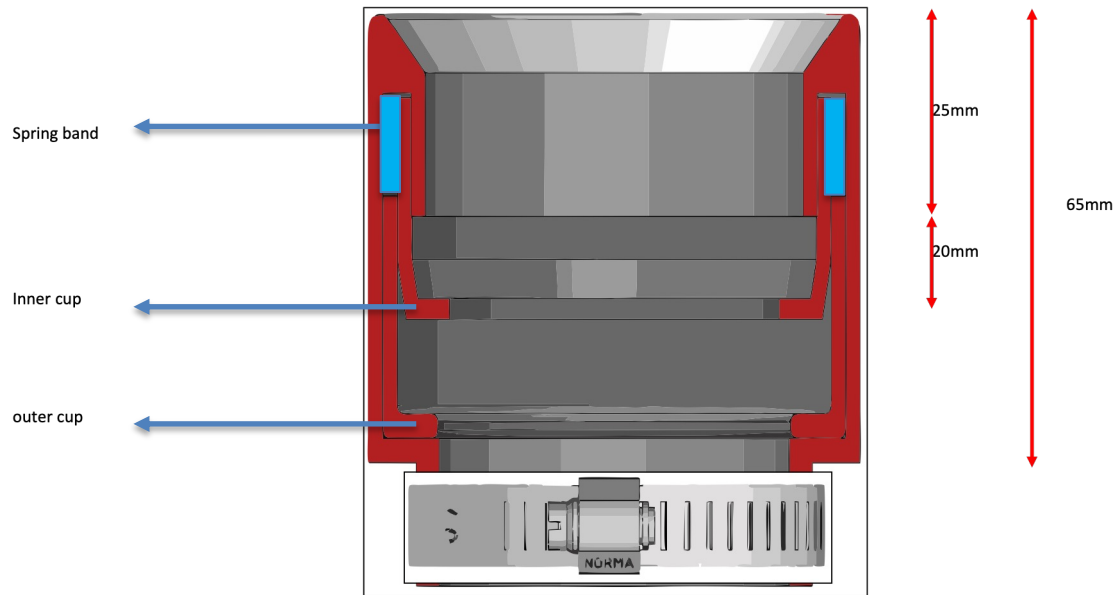
Important sizes

Minimum length drain
pipe 25mm

installation tolerance
18mm!!*

Height BPC only
65mm

Inside opening
size 48,5mm



* 9 mm too low of to high is no issue for correct clamping the BPC on the drain outlet. Visual control before clamping with activation tool.

Possible visual check before activation



If sizes between blue rim and end of drain pipe is between 0mm and 18mm....clamping is good to go.

USP'S

Easy application

1 reference point eg flush with subfloor.
1 system means always the same height positioning

Less stress for installer

If you glue the pipe (in case of abs drain/pipe) you only have a limited time to make the connection AND you have no visible controle on correct and suffisiant adhesion.

Flexibility

To connect different materials together.

Less work / lower cost

Not opening ceiling or other time consuming actions to make a secure connection

It's known that important amount of leakages are caused
by the failed connection drain pipe / waste line

When a flood test is applied, the blockage of the water happens "above" the coupling so the test guarantees the waterproofing connection of the shower area **but not** the coupling of the drain to the waste line. Only discovered after a while or in case of a clogged waste line.

CLIENT: Genius BV
Ambachtslaan 5340
Sint-Truiden 3800

Test Report No: TUL0607-R1

Date: October 24, 2023
Revision Date: January 15, 2024

SAMPLE ID: BPC w/ Aluminum ring

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on July 27th, 2023

TESTING PERIOD: October 24, 2023

AUTHORIZATION: Signed Work Order (23CH0928-1) by Geert Nivelles on October 11, 2023.

TEST PROCEDURE: Test and evaluate the submitted samples to ASME A112.14.4-2017 *Plastic Push-Fit Drain, Waste, and vent (DMV) Fittings*.

TEST RESULTS: The samples **Do Meet** the criteria of ASME A112.14.4-2017. Detailed test results are presented in the subsequent pages of this report.

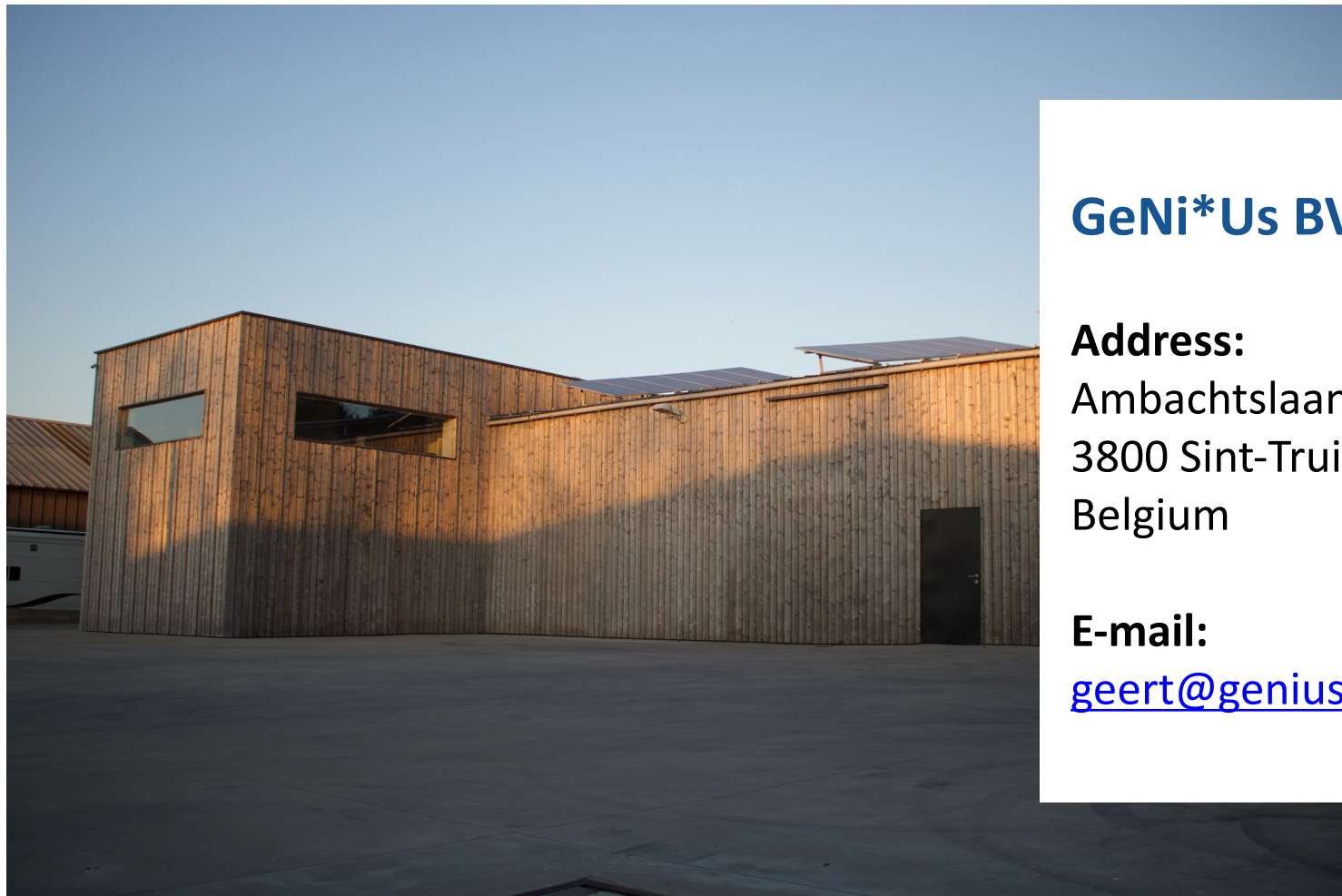
Prepared By



William B. Randall
Laboratory Test Technician

Signed for and on behalf of
QAI Laboratories, Inc.

Jarrod Johnson
Project Reviewer



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