

# STEIN

## PROJECT SHOWER 2-SIDED FRAMELESS

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0324

### **IMPORTANT!**

1. When you receive your Project Shower package, please check for any freight damage.
2. If damage has occurred, advise your supplier within 8 hours.
3. Do not install any faulty product as this will invalidate later claims.

## BEFORE YOU START

1. Stein provides **"Acrylic Pre-Install" Specifications** guide for Build preparation, plumbing, tray and liner specs to ensure all steps have been adhered to prior to this current Acrylic Shower Installation.
2. Stein provides **"Tile Pre-Install" Specifications** guide for Build Preparation, Plumbing, QuickTile Tray Bases, Waterstops, and Waterproofing details. Shower Min to Max range is used in Tile applications.
3. Read these instructions, familiarise yourself with installation, tools required, and materials used.

## HEALTH AND SAFETY



- Unpack glass, stand on soft packing on floor and walls prior to assembly.
- Do not rework glass panels as toughened glass will explode without warning.
- Don't strike an edge or corner of glass as this may explode or be unusable.
- Use two persons where heavy glass lifting is required.
- Wear appropriate protective clothing and eye protection during installation.
- Mark gas, waterpipes & electrical wire positions to ensure these are not touched.

## WARRANTY

- This covers faulty goods but not breakages. Visit **stein.nz** for information.
- Compliance with Acrylic or Tile Pre-Install Specifications and these instructions are essential for a valid warranty.

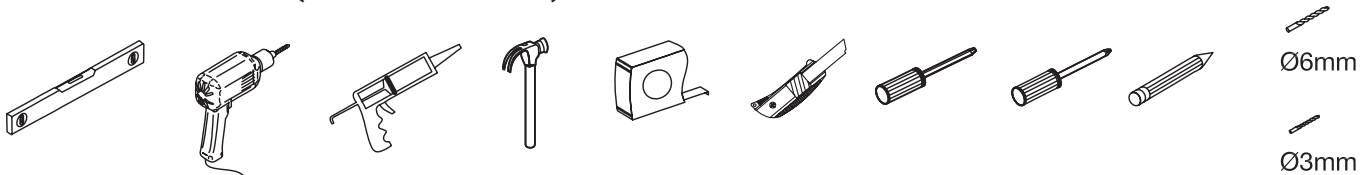
## ATTENTION



- The Tray must be installed level as this base affects all shower alignments.
- Walls must be flat and plumb. A variation of 3mm to plumb within the shower height is a range that will enable adjustments to be readily obtained.
- Plumbing: Shower Rose is mounted on door hinge side facing return panel.

Solid fixing of wall channels: Double studs are required with outside edge lined up to tray outside. It is the installers responsibility that the installation complies with all council regulations.

## TOOLS REQUIRED (NOT SUPPLIED)

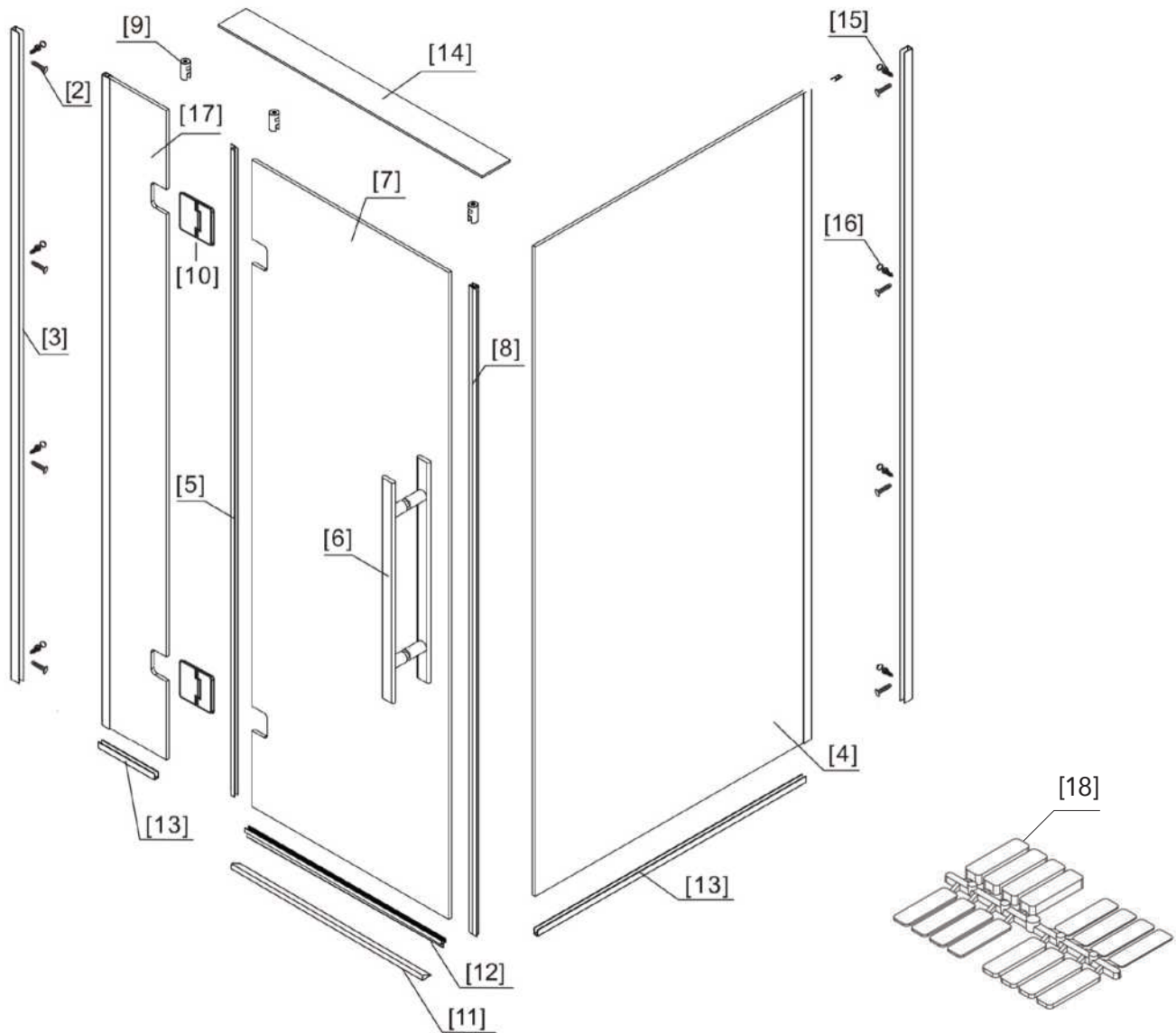


## MATERIALS REQUIRED (NOT SUPPLIED)

- Rags and suitable cleaning materials
- Sika Silaflex NG Translucent - Acrylic Shower (available from Bunnings)
- Bostik V60 - Tile Shower (Readily available from glazing companies)

**WE RECOMMEND ONLY AN EXPERIENCED INSTALLER FOR THIS INSTALLATION**

Before commencing installation, please ensure you have the following components in your package to complete installation.



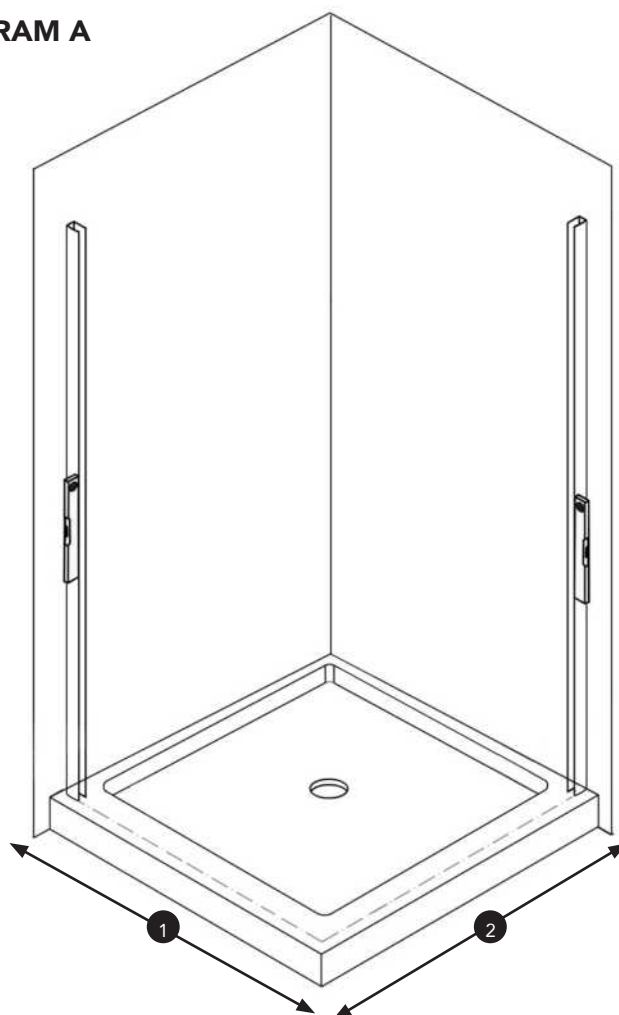
| REF | DESCRIPTION   | PART NO. | QTY | REF | DESCRIPTION                     | PART NO. | QTY |
|-----|---------------|----------|-----|-----|---------------------------------|----------|-----|
| 2   | Screws M4x35  | PAR1036  | 8   | 11  | Threshold Waterbar with 3M Tape | PAR1217  | 1   |
| 3   | Wall Channels | PAR1027  | 2   | 12  | Water Deflector                 | PAR1214  | 1   |
| 4   | Return Panel  |          | 1   | 13  | Floor Channels with 3M Tape     | PAR1215  | 2   |
| 5   | Door Seal     | PAR1210  | 1   | 14  | Support Panel                   | PAR1216  | 1   |
| 6   | Handle Set    | PAR1211  | 1   | 15  | Screws M4x8                     | PAR1036  | 8   |
| 7   | Door Panel    |          | 1   | 16  | Screw Cover Caps                | PAR1036  | 8   |
| 8   | Buffer Seal   | PAR1212  | 1   | 17  | Hinge Panel                     |          | 1   |
| 9   | Glass Clamp   | PAR1213  | 3   | 18  | Packer Block Set                | STE1128  | 1   |
| 10  | Hinges        | STE1009  | 2   |     |                                 |          |     |

## Two options apply: Choose your option at the start

**Standard Tiled Shower:** Pages 4 to 11 cover these steps. Note: Tile showers are designated as a “Wet Area Shower” and have no vertical door seals.

**Acrylic Shower:** Follow all steps as Tiled Shower with exception of the Door Gaps in Diagram C Page 6. “Use Appendage Page 12” for a variation to door gaps and detailing. This variation must be used at the outset so vertical door seals can be used..

**DIAGRAM A**



**Minimum to Maximum Table**

| SHOWER SIZE         | DOOR SET        | RETURN PANEL (2) |
|---------------------|-----------------|------------------|
| 900 x 900 2 Sided   | 856mm - 869mm   | 860mm - 873mm    |
| 1000 x 1000 2 Sided | 956mm - 969mm   | 960mm - 973mm    |
| 1200 x 900 2 Sided  | 1156mm - 1169mm | 1160mm - 1173mm  |

**NOTE:** All measurements assume the floor is level, the walls are plumb and all surfaces are flat. Any variation must be adjusted for in the measurements provided.

## IDENTIFY APPLICABLE OPTION FROM THE LAYOUT-PLAN PAGE 4

- Mark the Wall Channel position and plumb up the wall.
- Mark the Floor Channel boundary line 2mm inside the Wall Channel, parallel to the Tray.
- Mark the outer floor channel points as shown in Diagram D. (next page)
  1. Return Panel Outer Point: Outside corner of Floor Channel line.
  2. Hinge Panel Outer Point: From inside of Return Glass take the Door and Gaps and mark outer point of hinge panel floor channel.

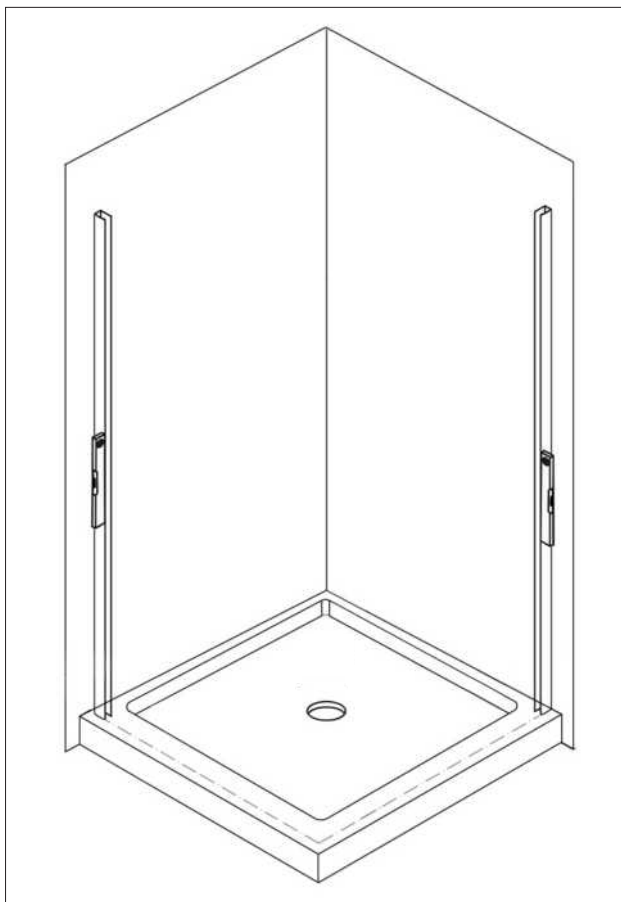
## WALL CHANNEL: ACRYLIC

- From the wall Channel holes drill a 2mm lead hole in the liner for the screws.
- Apply a 7mm continuous bead of silicone at the back of the wall channel and screw to the wall ensuring it remains plumb.

## WALL CHANNEL: TILE

- Bond wall channels as outlined in shaded section below.

**DIAGRAM B**



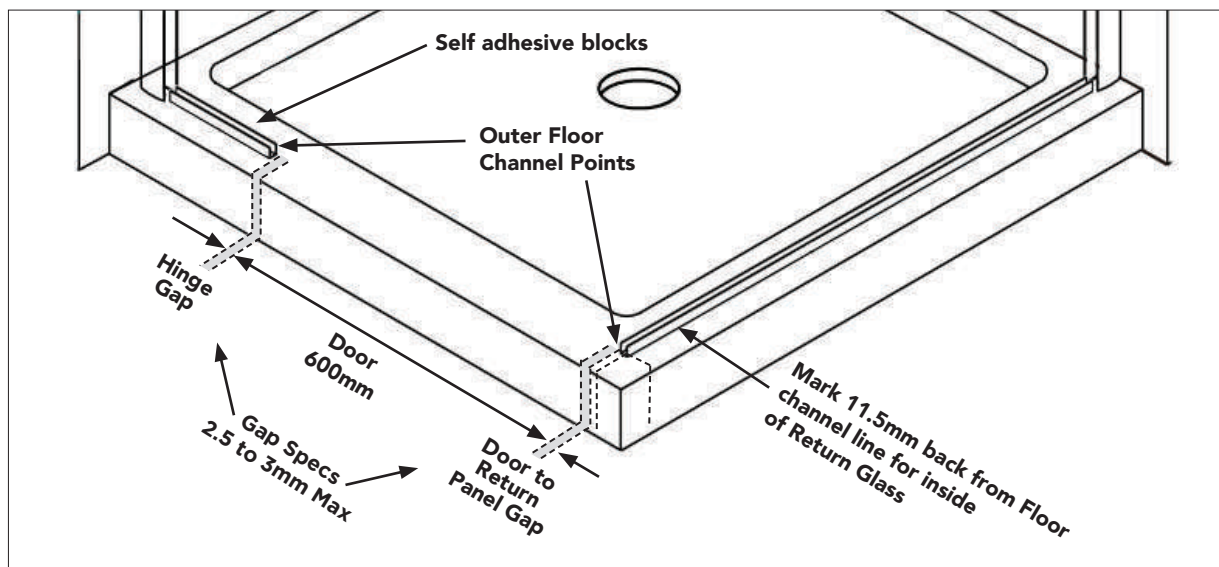
## PENETRATION OF WATERPROOFING UNDER TILES

Waterproofing warranties are potentially void with penetrations of membrane. Bond wall profiles with Bostik V60. Minimum curing 24 hours (2mm to 3mm). Curing is by atmospheric moisture absorption (approx. 7mm in 7 days).

**NOTE:** The Floor Channels are cut to length. When placed at the outer point they will stop short of the wall Channel. This is required for the Aluminum vertical profile on the glass.

1. Remove the double-sided tape film under the Floor Channels, position to the floor channel boundary line, start at outside point and work back centralising to Wall Channels.
2. Use self-adhesive blocks or supports to hold the Floor Channel in position. Silicone detailing of floor channels. (Diagram O)

**DIAGRAM C**

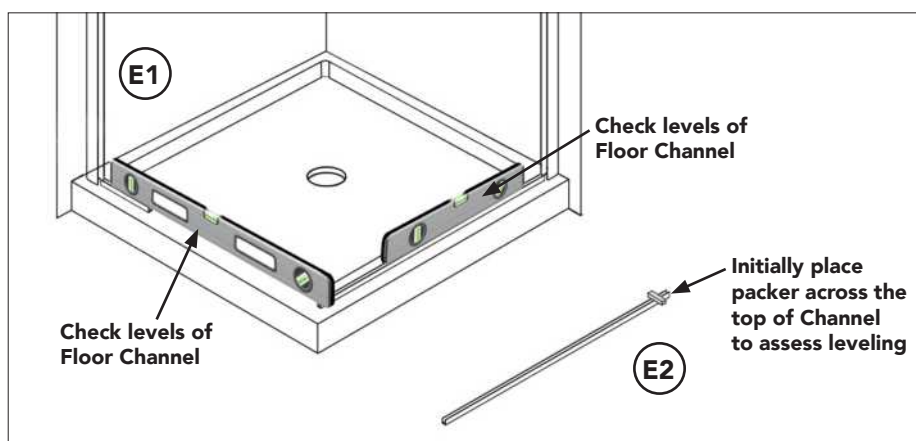


# INSTALLATION STEP 4 LEVELLING OF FIXED GLASS WITHIN FLOOR CHANNELS

1. Place a level across the Floor Channels to assess levels (Diagram E1).
2. Arrange packers to level up both sides of the Shower. Include a 2mm packer elevation at the Door Frame. This to ensure finally a 13mm gap is achieved under the Door Glass.
3. Place the packers at 90 degrees on top of the floor channels (Diagram E 2), check levels, mark positions and put down in place.

**NOTE:** Take time to level this up. Every millimetre out at base is double at leading glass edge

**DIAGRAM D**



Note: There is a top of both fixed glass Panels.

**A: Hinge Panel :** IMPORTANT! Refer to Diagram E below.

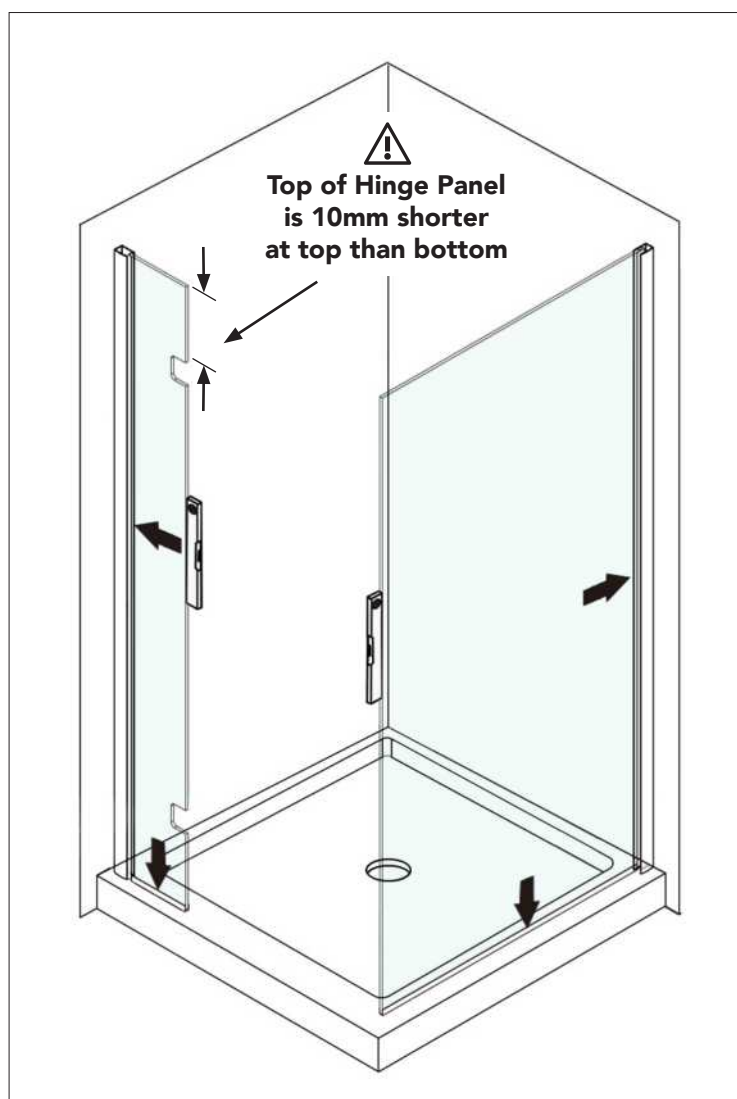
**B: Return Panel:** There is a top and bottom to this panel. The vertical aluminium profile is flush at the top of glass and 1mm past at the bottom.

The fixed glass can be trialed prior to bonding in place.

- ☐ The outer edge of the fixed glass is in line with marks.
- ☐ The inner vertical glass aluminium profile fits up to the floor channel.
- ☐ The leading edges of the glass are plumb with specific care taken on the hinge glass.
- ☐ Door and gap measurement is correct.

1. Calculate any final adjustments and remove the Glass Panels.

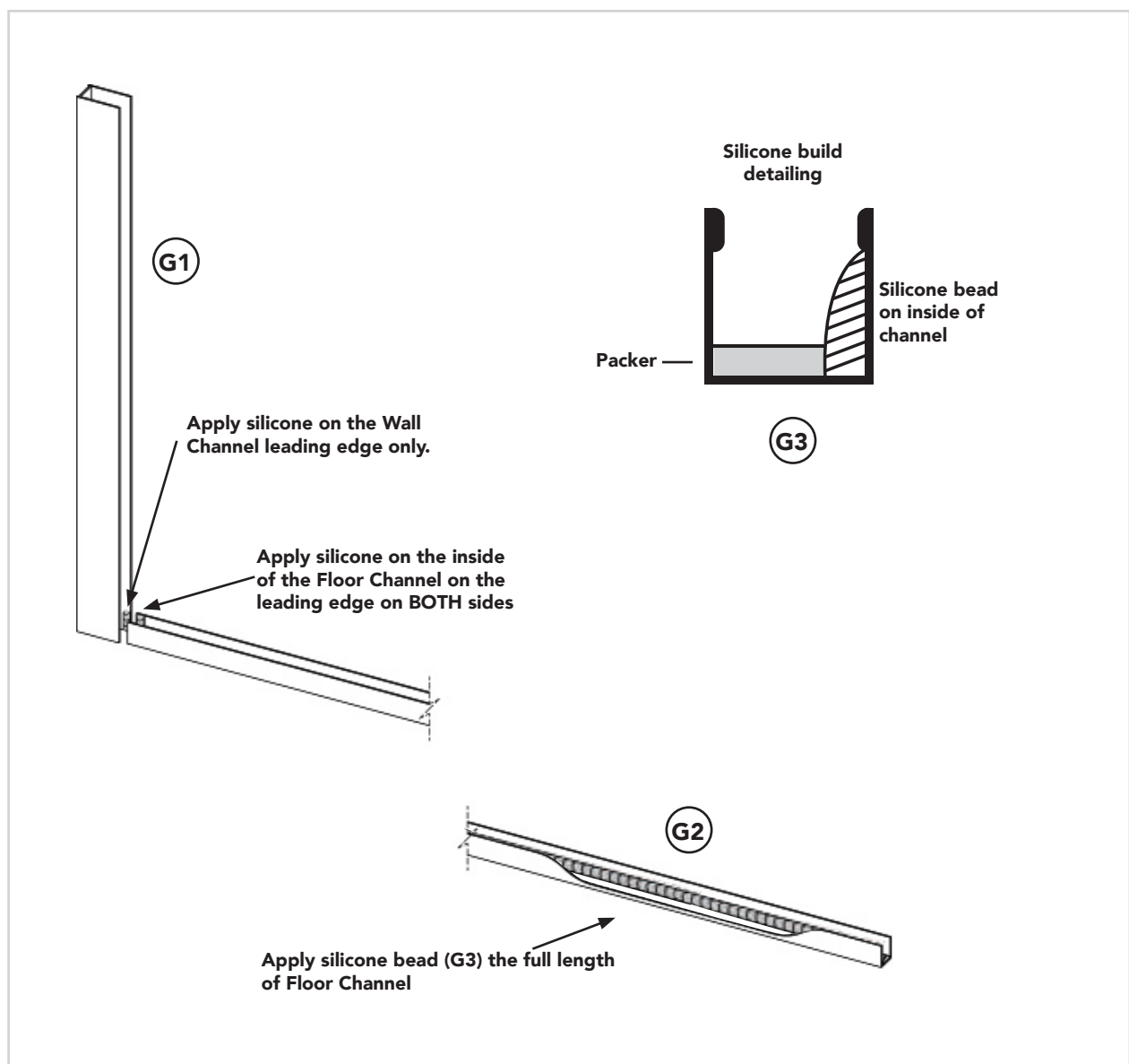
**DIAGRAM E**



1. Make any adjustments if required.
2. Ensure the packing blocks remain at marked positions.

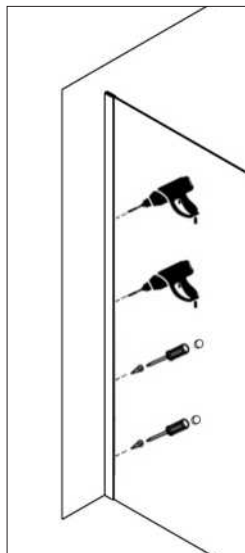
**INSTALLATION STEP 7** FINAL PLACEMENT OF FIXED GLASS PANELS TO CHANNELS **STEIN**

1. Apply silicone along the inside of Floor channel (Diagram G3). Ensure the build is enough to Seal and bond the glass to the inside of the channel with a conservative excess.
2. Fit the Fixed Glass in place ensuring it has bottomed out to the packers. Check leading edges are now plumb.
3. Clean up any excess residue of silicone with soapy water and a spatula.

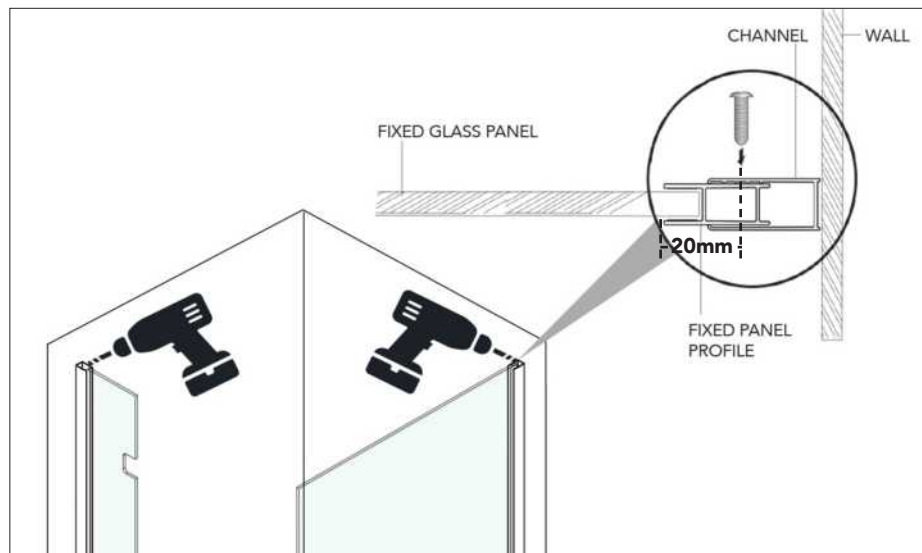
**DIAGRAM F**

1. Use a 3.2mm drill bit to establish four even holes within the Wall Channels (Diagram H).
2. Drill and fix the wall channels with the 8 x 4mm x 8mm screws provided (Diagram I).
3. Place cover caps over screw heads.

**DIAGRAM G**



**DIAGRAM H**

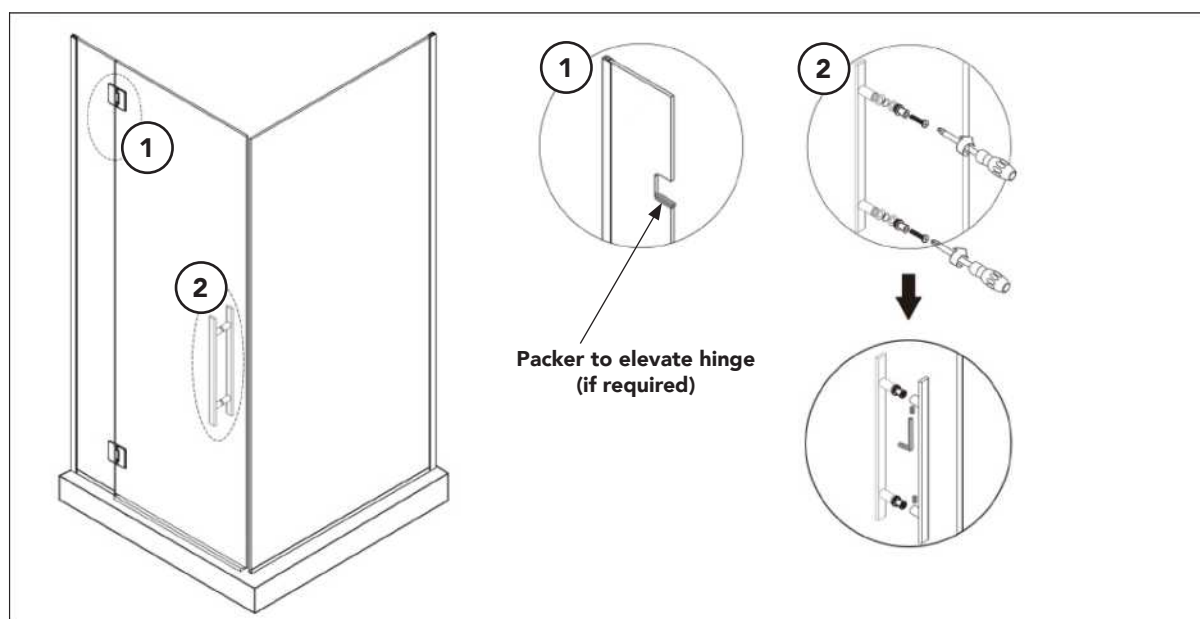


# **INSTALLATION STEP 9** DOOR INSTALLATION

1. Fit hinges to the Hinge Panel Glass (17) **1**
2. Fit Handle (6) to door **2**
3. Install the Door (7) in place and adjust to fit.

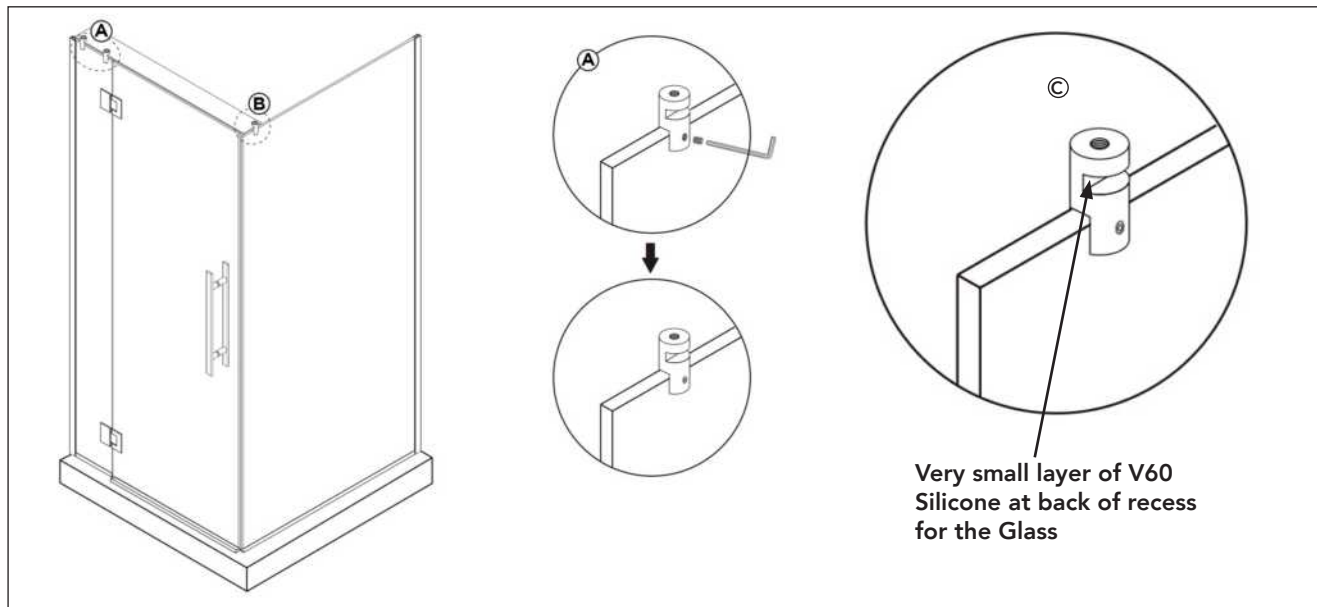
Check when the door is flush at top that a 13mm gap (Min) is achievable underneath for the Waterbar and Seal. Use a packer at the Hinge panel rebate to hold the hinge in place.

**DIAGRAM I**



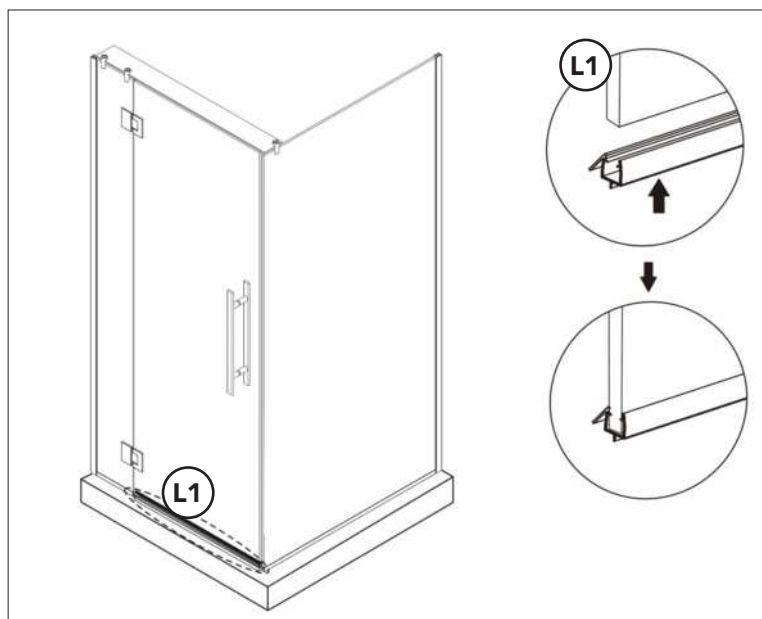
**Glass Support Panel must be securely mounted to Glass Panels.**  
**Screws must be very tight & retightened to ensure insert is bedded in.**  
**View Diagram J below. Bond bracket to glass) ©**

**DIAGRAM J**

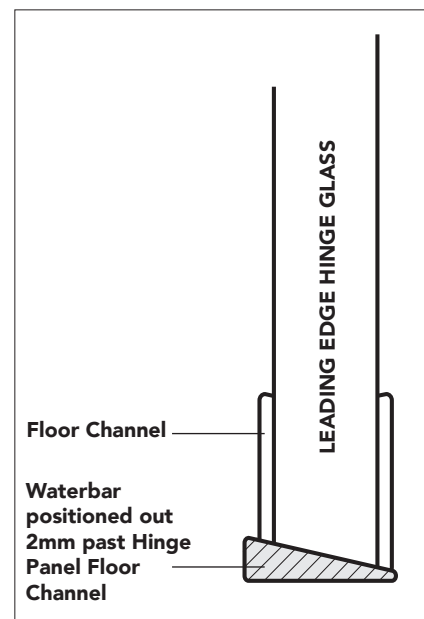


1. Trim the Waterbar to length. Remove tape surface strip and install with the outside edge 2mm out from the floor channel line (Diagram M) and aligned to the door lower edge. Seal both ends with silicone (Diagram L1).
2. Check door deflector (12) seal length and install to the bottom of the door glass. Round the sharp point on the outside edge. Check if the hinge end clears the adjacent glass and when opening inwards (Diagram L1).

**DIAGRAM K**



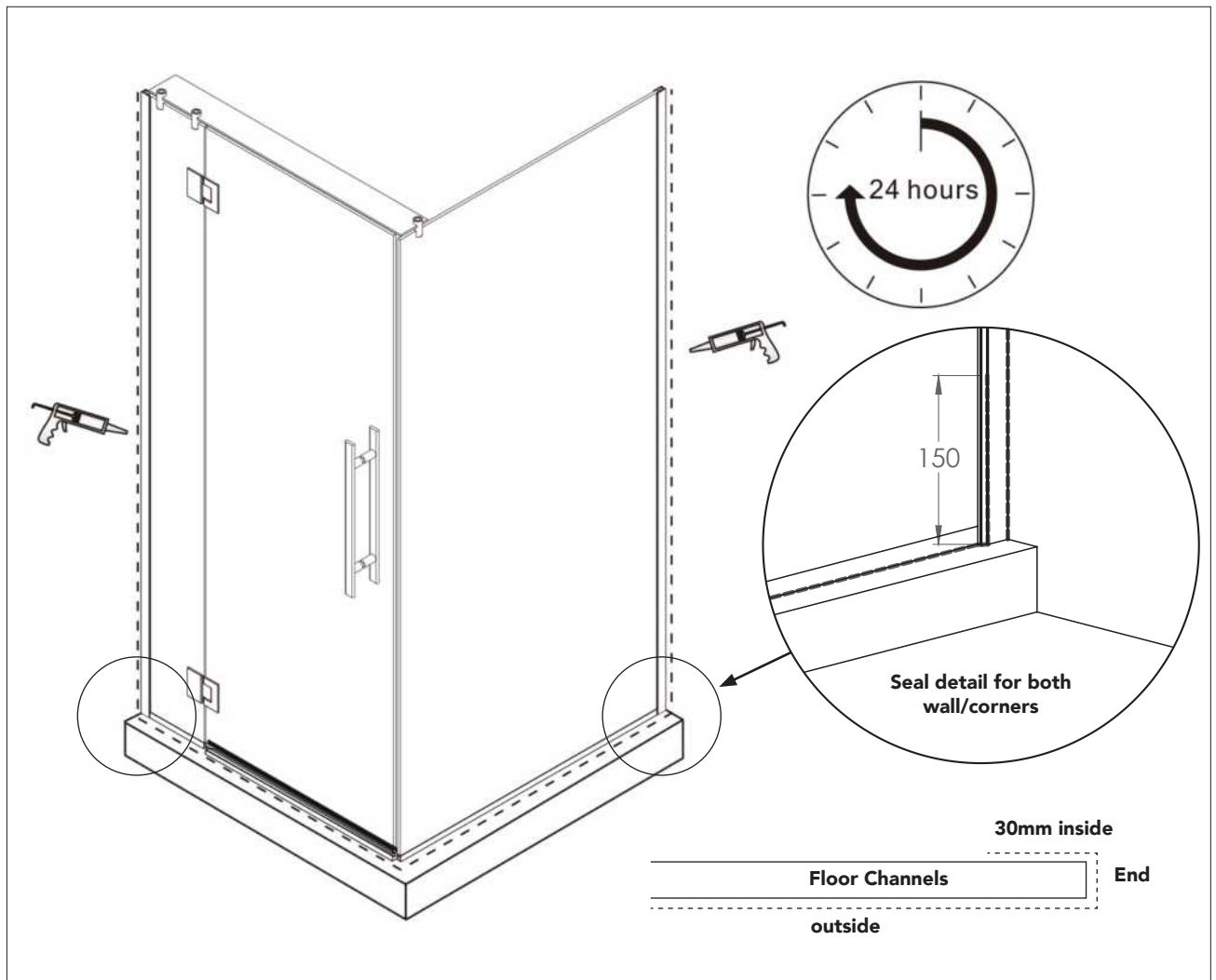
**DIAGRAM L**



1. Silicone Seal boundary joints as indicated including detailing of corners.

**SCREENS THAT ARE SEALED ON THE INSIDE WILL VOID WARRANTY UNLESS INDICATED OTHERWISE IN THIS MANUAL.**

**DIAGRAM M**



**CONTACT**

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**stein.nz**

**NOTE: The Acrylic Project door is designed to open outwards only. The Project door stop prevents the door from opening inward. Opening the door inward will damage the door, hinges and seals and will void warranty.**

After the door seals are installed and the top support panel brackets (9) are in place there needs to be a final readjusting to prevent the door opening inward.

1. Adjust the door so the buffer portion of the seal has slight friction on the inner side of the door glass.
2. Also make a final positioning of the top support glass bracket to act as a door stop as Diagram N.

DIAGRAM N

ACRYLIC VERSION ONLY

