

# HydroHALT PlumBud™

## Product Name:

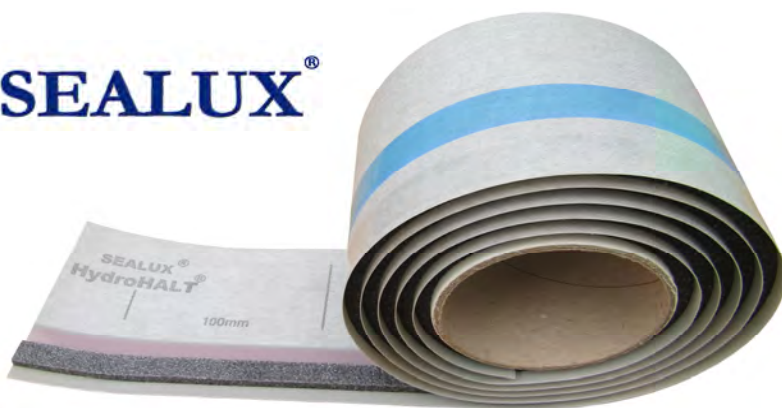
The HydroHALT PlumBud Sealing System

## Manufacturer:

SEALUX LIMITED



# SEALUX®



**Description/Application:** HydroHALT PlumBud is a shower tray and bath perimeter joint upstand sealing system comprising of the HydroHALT **PlumBud Strip Assembly** and **Sealux-N** sealant adhesive. HydroHALT PlumBud is used for waterproofing transition joints between shower trays/baths and adjacent wall/floor substrates either as a standalone joint sealing system or as a component of an all-in waterproofing/tanking system.

**Composition of PlumBud Strip Assembly:** The PlumBud strip assembly comprises of a central membrane fully layered on the wall side with a fleece material for anchoring adhesives and partially layered on ledge side with both a fleece material and a red tinged silicone film to enhance adhesion to Sealux-N sealant adhesive.

A sealant/acoustic foam backer rod is bonded directly to the membrane below the silicone film. When unwound for installation, an adhesive bed on the exposed face of the backer rod facilitates bonding the strip assembly onto shower tray and bath sidewalls using the strip alignment guide provided with the roll.

In roll format, a silicone release liner bonded onto the wall side of the strip assembly engages the adhesive face of the foam backer rod.

An adhesive bed covered by a blue release liner extends on the wall side of the strip assembly to accommodate bonding the strip assembly to shower walls during installation.

To accommodate retro-installing PlumBud, a perforation line extending between the foam backer rod and silicone film facilitates tearing a longitudinal portion off the strip assembly that includes the backer rod and attached fleeced membrane. Refer to last page for more information on retro-installing PlumBud.

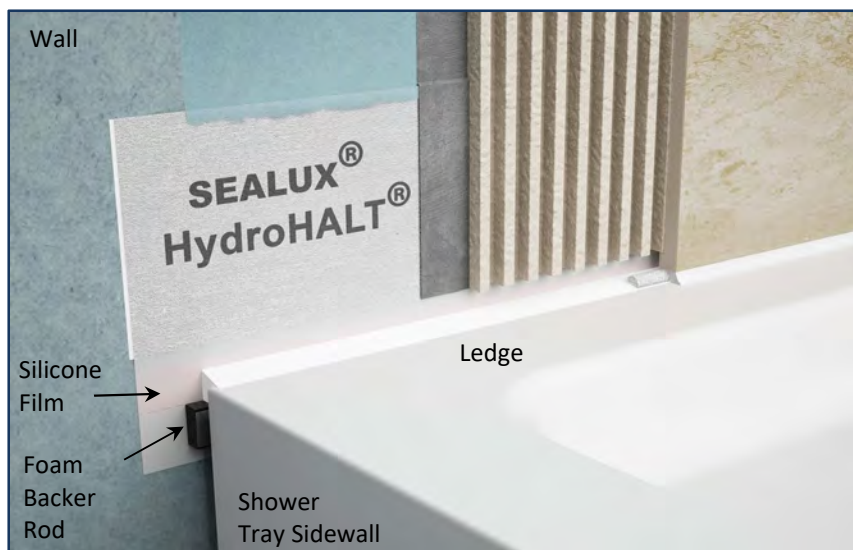
**Composition of Sealux-N:** Sealux-N is a versatile one component low modulus neutral curing sanitary silicone. After application the silicone cures under influence of humidity to form a durable elastic rubber joint sealing compound.

### Material Composition of PlumBud Strip Assembly:

Membrane:	Polypropylene membrane	Colour:	Grey
Anchoring fleece:	Non-woven polypropylene	Colour:	White
Silicone Film:	Acrylic based liquid	Colour:	Red
Backer Rod:	Closed cell polyethylene	Colour:	Anthracite
Backer Rod Adhesive Bed:	Acrylic dispersion	Colour:	Clear
Release liner tape	Polypropylene Film	Colour:	Clear
Wall bonding adhesive bed:	High Tack Hot Melt Adhesive	Colour:	Clear
Strip assembly resistance to temperature:	- 5°C / + 60°C min./max.		

### Component Dimensions of PlumBud Strip Assembly:

Strip assembly installed section dims:	100 mm high (approx.)	6 mm wide (approx.)
Membrane thickness:	200µm (approx.)	
Membrane thickness incl. 2 fleece layers	0,49 mm (approx.)	
Abchoring fleece free zone width:	35 mm (approx.)	
Silicone film zone width:	13 mm (approx.)	
Release liner tape width:	50µm thick (approx.)	16 mm wide (approx.)
Backer rod installed section dimensions:	12 mm high (approx.)	6 mm wide (approx.)
Strip assembly material weight:	38 g / mtr. (approx.)	
Strip assembly length per roll:	2.0 mtrs., 2.5 mtrs., 3.2 mtrs., 3.8 mtrs.	



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	DIN	Value	
<b>Physical properties of the membrane/fleece bonded components of the PlumBud strip assembly as certified according to DIN EN ISO 9001: 2015.</b>	Burst pressure: max.	Internal	2,8 bar
	Breaking load longitudinal	DIN EN ISO 527-3	86 N / 15 mm
	Breaking load lateral	DIN EN ISO 527-3	45 N / 15 mm
	Extension break longitudinal	DIN EN ISO 527-3	86%
	Extension break lateral	DIN EN ISO 527-3	433%
	Power absorption at 25% Elasticity lateral	DIN EN ISO 527-3	2,1 N / mm
	Power absorption at 50% Elasticity lateral	DIN EN ISO 527-3	2,5 N / mm

**Chemical properties of strip assembly:** The PlumBud strip assembly is resistant to a wide range of chemical liquids

**Storage of PlumBud strip assembly:** Store in cool and dry place protected against sunlight, use within 12 months after receipt.

**Attention:** Due to technical reasons the colour of the material or the printing may vary slightly from batch to batch.

### Sealux-N Technical Specification:

Base	Neutral oxime
Density	1,02 g/ml
Curing Time	2mm/day (@23°C/50% RH)
Elongation @ break	500%
Shore A	16 Shore A (DIN 53505)
Skin Formation	8 min (@23°C/55% RH)
Tensile Strength	1,22 MPa (N/mm <sup>2</sup> )
100% Modulus	0,30 MPa (N/mm <sup>2</sup> )
Flow	< 2 mm (ISO 7390)
Joint Movement	25%
Permeability Value	an= 0,018m <sup>3</sup> /h @ 600Pa
Permeability Tested	till 1050 Pa
Application Rate	140 g/min (@ 3 mm & 6,3 bar)
Shrinkage	<5 %
Skin Formation	8 min (@23°C/55% RH)
Temperature Resistance	-50°C till +120°C
Application Temperature	+5°C till +40°C
Frost Resistance during Transportation	till -15°C

### Sealux-N Certifications:

DIN 18545-E

EN 15651-1: F-EXT-INT-CC 25LM

EN 15651-2: G-CC 25LM

EN 15651-3: S-XS2

### Sealux-N Benefits:

Sealux-N is neutral curing, almost odourless and bonds tenaciously with the red tinged silicone film on the PlumBud strip assembly.

As a general purpose sanitary sealant Sealux-N is also excellent for perimeter joint sealing around shower trays, baths, sinks, counter tops and in wet areas exposed to moisture.

Sealux-N will bond without primer on most substrates, has excellent resistance to UV, water and weather and is corrosive towards metals.

**Sealux-N Surface Preparation: General Use:** Application temperature: +5°C to +40°C (environment and substrate). Surfaces must be dry, clean and solid. Sealux-N adheres perfectly without the use of a primer to most non porous substrates. Strong porous surfaces to be pre-treated with approved primer. If in doubt, always test adhesion prior to application.

**Sealux-N Joint Widths: Accommodating Joint Movement: General Use:** A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width in respect of 10mm wide joints is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6mm.

**Sealux-N Limitations: General Use:** Discoloration can occur in dark places and by contact with chemicals. The use of fungestatic sealants in practise does normally mean that fungal growth on the sealant surface is prevented. However depending on the circumstances in respect of the frequent exposure to heavy duty chemical cleaning (public showers) or traces of different fungi present in the area, it is not excluded that after some time fungal growth could occur on the sealant surface. For this reason it is not possible to guarantee or give a time estimation on the performance of the fungal properties of the sealant.

**Sealux-N Shelf Life:** In unopened original packaging and stored in a dry place between +5°C and +25°C, shelf life is 12 months after production date.

**Health & Safety:** Product Health and Safety Data Sheet must be read and understood before use. These are available on request and via Sealux website.

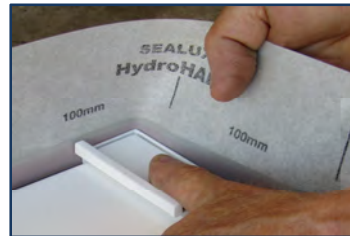
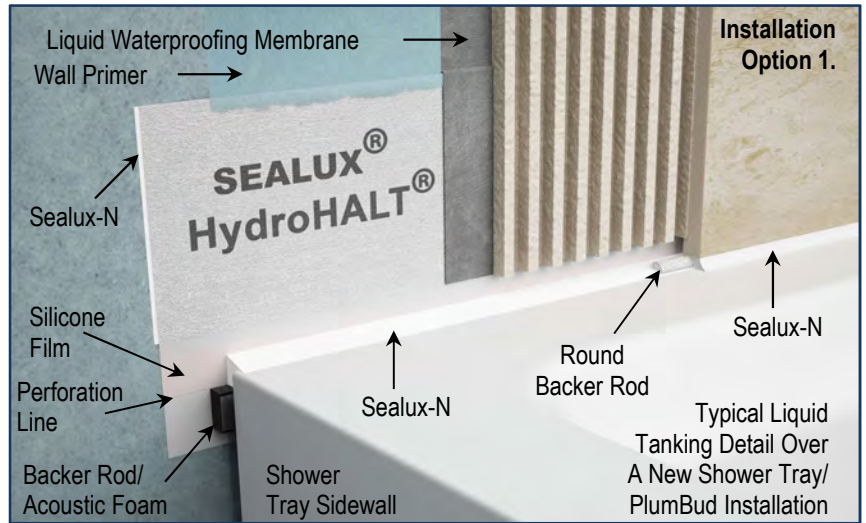
**Technical Data: PlumBud strip assembly and Sealux-N sealant adhesive:** The above technical data represent average values. The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters. Please contact us if you have any further questions.

# SEALUX<sup>®</sup> HydroHALT PlumBud<sup>™</sup>

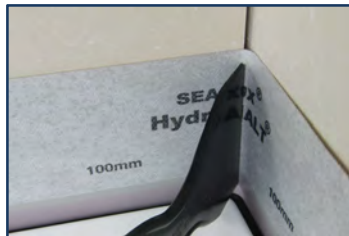
How to install PlumBud during installation of a shower tray or bath. Video on: [www.hydrohalt.com](http://www.hydrohalt.com)

**Surface Preparation & Care:** Remove tray/bath surface protection film from areas in contact with silicone. Ensure tray/bath surface is of a material type that adheres to silicone. Use wire wool to abrade surfaces in contact with silicone and clean with alcohol wipes/methylated spirits. Ensure all shower wall surfaces behind the strip are clean, dry and in good condition. Before bonding strip to wall during installation ensure the tray or bath rests stable on floor and waste system tested for leaks.

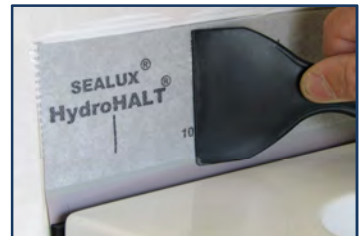
**Tools & Material Required:** Sealant gun, tape and pencil, masking tape, sealant tissues and a scissors or sharp blade. The strip may be bonded to the wall with Sealux-N or equivalent, a polymer adhesive or a C2 tile adhesive.



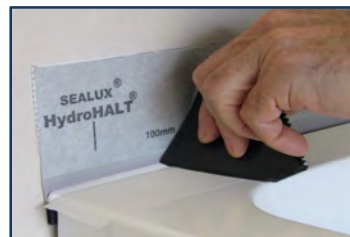
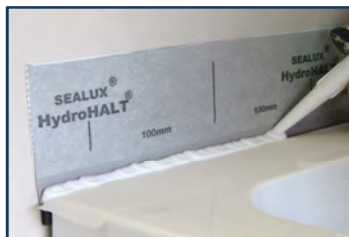
With side 1 of the strip alignment guide (G) on ledge overhanging the first sidewall, progressively lift the strip up until the backer rod touches the overhanging guide and press the adhesive face onto the sidewall. At corners rotate the guide to overhang two sidewalls. Fold the strip tight around corners bonding the backer rod to sidewalls in the process. Rotate the guide again and continue as instructed for remaining sidewalls & corners. Pinch backer rod at corners.



With tray/bath in final position, remove the adhesive release liner. Firstly use the spatula straight edge to press-bond the exposed adhesive bed fully into wall corners and then onto the walls without creasing the strip in the process. Resting a pencil tip on the strip upper edge, draw wall line over strip or apply masking tape on wall outside strip edges.



Tape the strip back to ledge. Apply a zigzag 5 mm diameter line of Sealux-N every 100mm on the wall between the wall line and the strip. With serrated points of spatula touching the wall, spread the adhesive. Unfold the strip. Using the straight edge of spatula press strip firstly into wall corners and then against walls. Remove wall masking tape off wall.



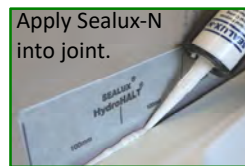
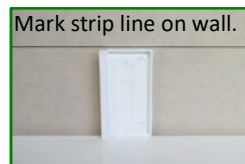
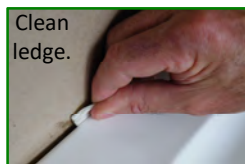
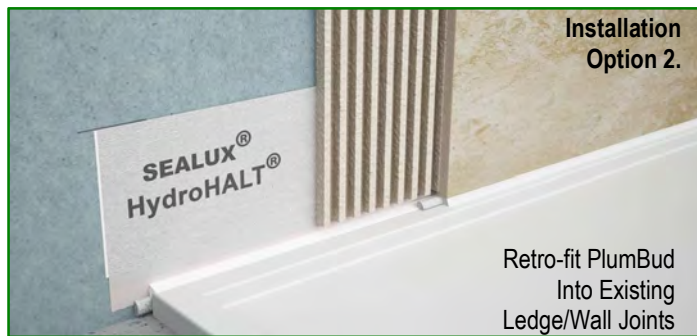
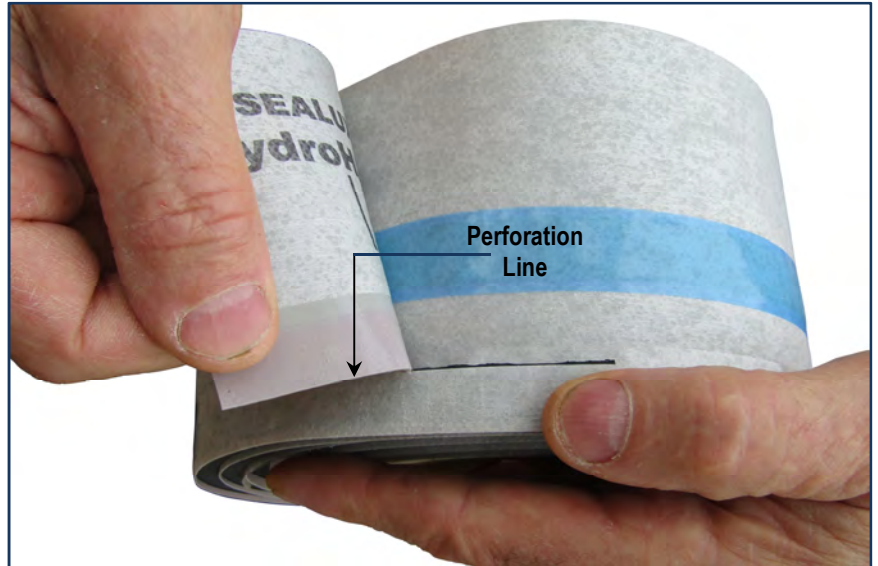
Apply masking tape over flat ledge surface just outside the joint line. Apply Sealux-N into the joint leaving it slightly proud. Rub up the the Sealux-N to fall towards ledge. Seal one side at a time. Remove masking tape when finished.

## Other PlumBud Installation Possibilities !

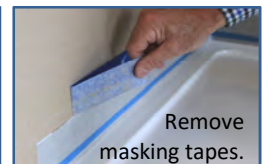
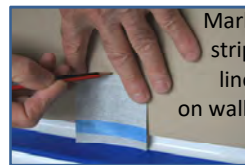
The strip perforation line running adjacent to the backer rod facilitates the removal of the backer rod and attached strip portion from the PlumBud strip assembly for retro-installations.

Adapting PlumBud in this ways allows installers meet the different requirements of retrofit installations. The summary installation images shown below detail the three most frequent retrofit installations installers are faced with.

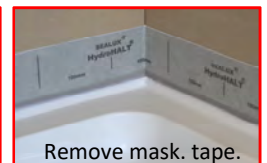
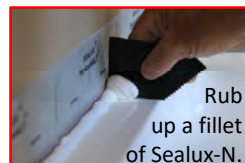
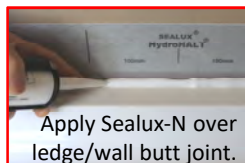
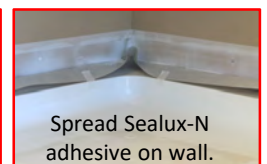
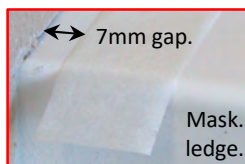
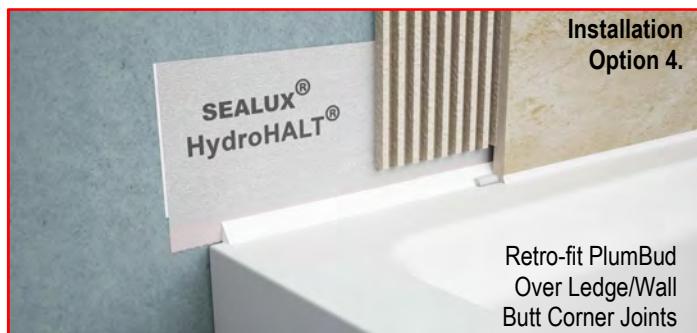
For more detailed instructions on these installations visit [www.hydrohalt.com](http://www.hydrohalt.com) or contact Sealux.



**Retro-install PlumBud to seal existing ledge/wall joints using 7mm round backer rod with the HydroHALT wheel.**



**Retro-install PlumBud to seal upstand shower trays and baths. The strip is installed with logo side facing the wall.**



**Retro-install PlumBud to seal ledge/wall butt joints. Use a 3mm neoprene backer rod if joint flexibility is required.**