

A revolution in window installation

Introducing the illbruck Trio+



 **illbruck**
making it perfect.



Is silicone really right for you?

95% of self-builders and installers use it. Many aren't even aware there are other options. And yet it's messy, expensive, and, in many cases, doesn't do the job properly.

It's silicone.

There's no question – sealant has its place. When airtightness, weather-tightness and thermal insulation aren't of the utmost importance, it can do the job well enough.

But the building sector is changing. New-build and refurbishment projects are subject to more and tighter regulation than ever. Homeowners are increasingly conscious of cost, energy efficiency, and their impact on the environment – and in more and more contexts, old-style sealant solutions just can't cut it anymore.

The History of Window Sealing



The Gutenberg printing press brings the printed word to the masses



Isaac Newton invents his reflecting telescope



Alan Shugart re-defines data storage with development of the disk drive



First public website goes online

15th Century

17th Century

1970s

1995 1990s



Wattle and daub is the main construction material - used for 6,000 years



The first glazing seals were introduced, made out of linseed oil



Silicone sealants with good adhesion and shelf life introduced



TP600 introduced to the world



“We have supplied enough tape to go around the world 3 times.”

But now there’s an alternative.

At tremco illbruck, we’ve been world leaders in sealing and bonding for nearly ninety years. We’ve revolutionised our industry, providing solutions that make our customer’s processes faster, smarter and more enjoyable. And now, we’ve invested all that experience and innovative thinking into creating the best, highest-quality, most versatile window sealing solution on the market.



Installation of International Space Station ISS



Invention of nano-engines



MP3 and DVD replace old standards



Smartphones with Touchscreen



3D-Printer for home use



Solar charging stations for electric vehicles



Development of self driving cars



Proof of Gravitational Waves

1997 1998 1999 **2000** 2001 2002 2003 2004 **2005** 2006 2007 2008 2009 **2010** 2011 2012 2013 2014 **2015**



sealing tape produced and tested in Wittenwöhr Germany



5 years of natural weathering testing TP600 Comriband 600 enters the new millennium



10 years of natural weathering testing TP600 Comriband 600 is withstanding



Introduction of multi-functional 3-in-1 sealing tapes (TP650 Comriband Trio Plus)



15 years of natural weathering testing No reduction of stability



20 years of natural weathering testing TP600 Comriband 600 travels into the future



Invention and introduction of the step-technology: advanced 3-in-1 sealing tape

2017

Introducing illbruck TP652 Trio+ Three seals in one

With the illbruckTrio+, we've made a product that delivers industry-leading...

- Weather-tightness
- Air-tightness
- Thermal and acoustic insulation

... all in one solution.

Installers - illbruck Trio+ is:

- Easier to fit
- More cost-effective
- More thermally and acoustically efficient

... than any other product on the market, and has been specifically designed to save you money, boost your productivity, and help you do even better work.

Homeowners - why have you decided to replace your windows?

Drafts? Energy loss? Aesthetics?

Whatever the reason, it's crucially important you fit your windows with the right installation products.

An A-rated window isn't an A-rated window unless it's been properly sealed – and with illbruckTrio+, we've got the perfect product to ensure your windows are performing at their peak.

A STEP above the rest

'From a horse and cart to an F1 car'

'From a telegraph machine to Twitter'

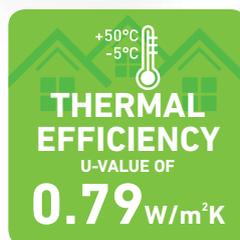
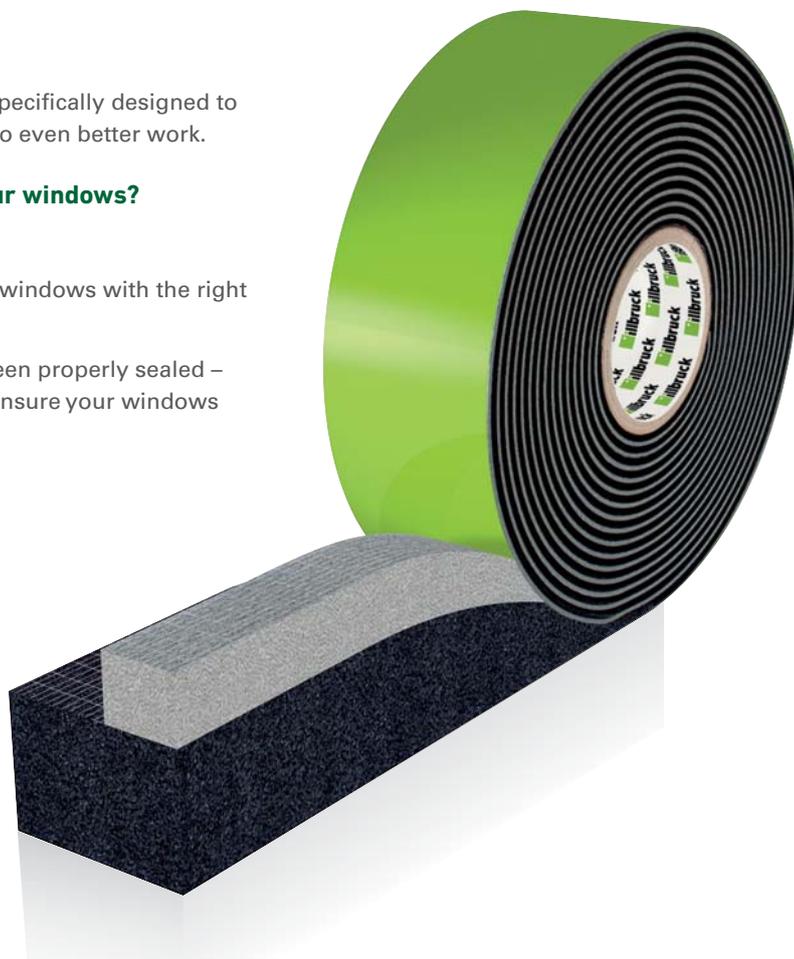
Throughout history, we've seen radical evolutions that have transformed the way we live and how businesses operate.

Now, for self-builders and installers, the leap from sealants to illbruckTrio+ represents a similar shift.

What makes illbruck Trio+ so special?

It's our patented STEP technology. Our tape comes with an extra grey layer – and it's not just for show.

It delivers more foam on the inside of the joint – which equals higher compression, and fantastic, industry-leading thermal, acoustic and weather insulation.





What are the benefits?

illbruck's Trio+ has exceptional all-round performance making it more than a match for the demanding standards of high-end, new build and refurbishment projects – and a STEP above any other product on the market.

Unlike other silicone-alternative products, illbruckTrio+ is extremely quick and easy to fit- there's no worrying about misalignment issues, or creasing around corners. It can be installed in all weathers, including wet and cold conditions and without the need for silicone or wet seals.

illbruck Trio+ offers:

- Three seals in one – airtightness, weather-tightness, thermal insulation
- U-values as low as 0.8W/m²k on 70mm windows
- U-values as low as 0.6W/m²k on 80mm windows
- Driving rain resistance in excess of 600Pa

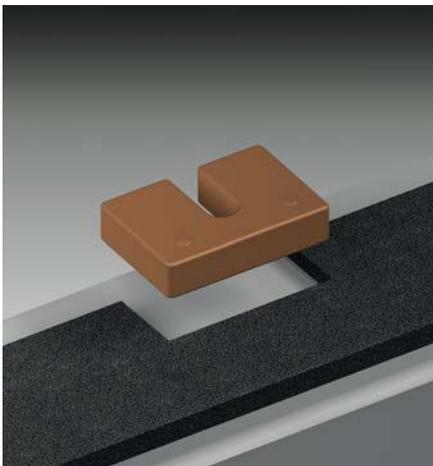
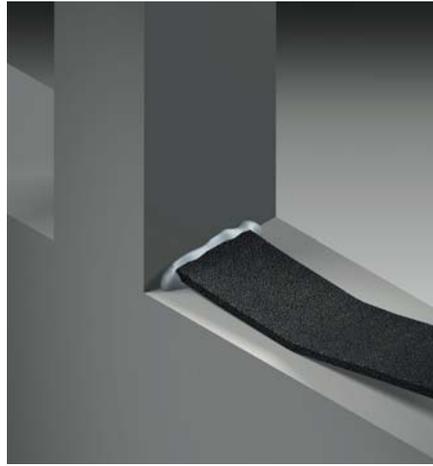
A properly-fitted window sealed with illbruck Trio+ delivers:

- Thermal performance that matches or exceeds Passivhaus standards
- Acoustic performance that meets requirements for areas like airports and railways

From a jackhammer to a whisper

What's more, the illbruck Trio+ exceptional seal achieves sound insulation of 58dB. That's equivalent to the difference between:

- A jet take-off to restaurant conversation
- A vacuum cleaner to rustling leaves
- A freight train to bird song



Installation Guide

illbruckTrio+ is already the most user-friendly window and door sealing solution on the market – no mess, no alignment issues, no risk of creases around corners. But we want to make it as quick and easy as possible to apply.

That's why we've produced these handy selection tools. Completely free of charge, they help you identify the size of tape you need for the job at hand in seconds.

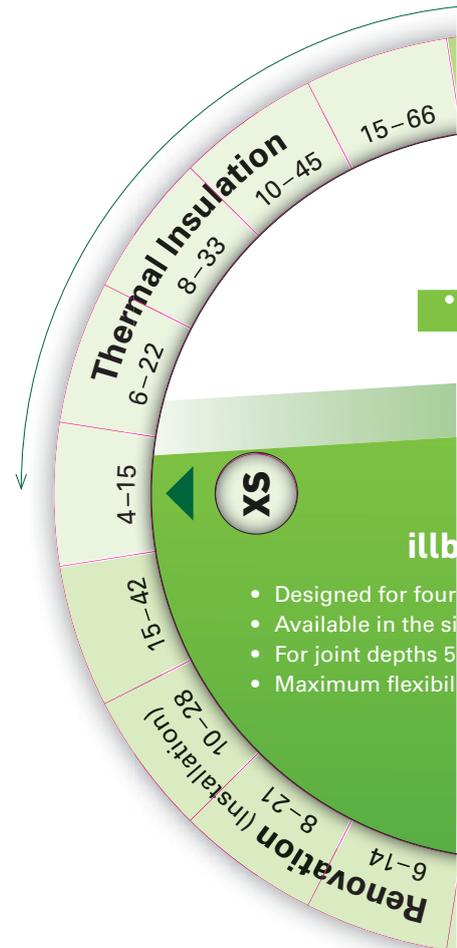
1. Using our tape selection tool, choose your application, then using the width of your perimeter gap, identify which size of tape is required
2. Select the tape depth based on the depth of the frame. The tape should be around 2-4 mm smaller than the frame
3. Apply a 10 mm bead of SP525 to the bottom corners of the structural opening
4. Measure, cut and lay the illbruckTrio+ tape onto the bottom of the structural opening before cutting out suitable

notches for packing. The grey stripe in the tape should always be facing the inside.

5. Apply tape to the jambs and head of the window frame – taking care to make tight butt joints at the corners
6. Offer the window into the opening and fix directly through the frame and the tape

... And installation is now complete!

For full detailed installation instructions please see the relevant TDS.

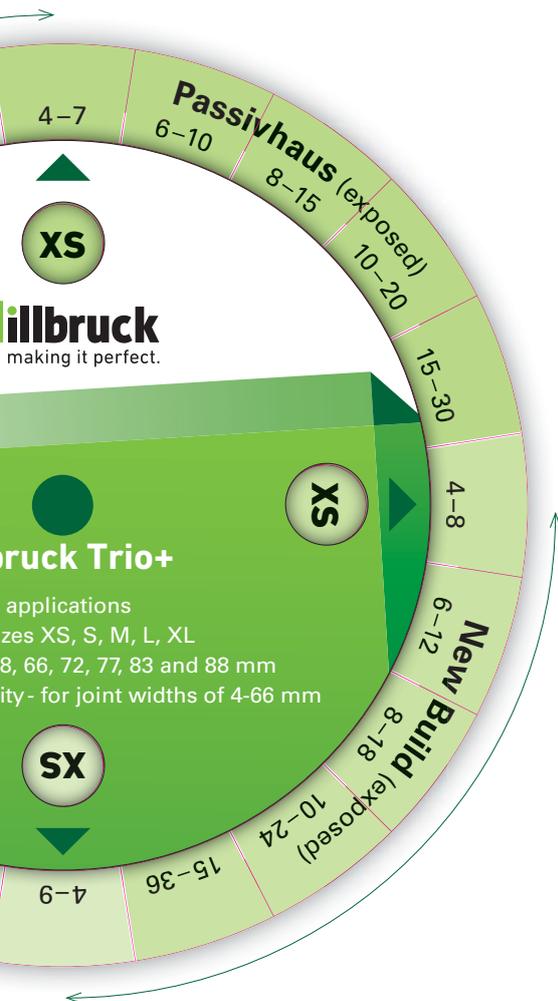


Selecting the right product, selection tool

illbruck Trio+ is the best multifunctional tape available and has been designed to give you guaranteed performance around your windows & doors.

To ensure you select the optimum size for your project, the illbruck selection wheel has been created.

Covering key areas such as renovation through to Passivhaus, the illbruck selection wheel enables quick selection of the Trio+ size required based on individual requirements and gives you total peace of mind of the performance level when installed.



Joint Depth* (1)	Size	Passive Housing Free Weathering	New Building Free Weathering	Renovation Concealed Installation **	Thermal Insulation ***	Rolls /Box	Contents /Box (m)
58	XS	4-7	4-8	4-9	15	4	36
66	XS	4-7	4-8	4-9	15	4	36
72	XS	4-7	4-8	4-9	15	3	27
77	XS	4-7	4-8	4-9	15	3	27
83	XS	4-7	4-8	4-9	15	3	27
88	XS	4-7	4-8	4-9	15	3	27
58	S	6-10	6-12	6-14	22	4	32
66	S	6-10	6-12	6-14	22	4	32
72	S	6-10	6-12	6-14	22	3	24
77	S	6-10	6-12	6-14	22	3	24
83	S	6-10	6-12	6-14	22	3	24
88	S	6-10	6-12	6-14	22	3	24
58	M	8-15	8-18	8-21	33	4	24
66	M	8-15	8-18	8-21	33	4	24
72	M	8-15	8-18	8-21	33	3	18
77	M	8-15	8-18	8-21	33	3	18
83	M	8-15	8-18	8-21	33	3	18
88	M	8-15	8-18	8-21	33	3	18
58	L	10-20	10-24	10-28	45	4	20
66	L	10-20	10-24	10-28	45	4	20
72	L	10-20	10-24	10-28	45	3	15
77	L	10-20	10-24	10-28	45	3	15
83	L	10-20	10-24	10-28	45	3	15
88	L	10-20	10-24	10-28	45	3	15
58	XL	15-30	15-36	15-42	66	4	12
66	XL	15-30	15-36	15-42	66	4	12
72	XL	15-30	15-36	15-42	66	3	9
77	XL	15-30	15-36	15-42	66	3	9
83	XL	15-30	15-36	15-42	66	3	9
88	XL	15-30	15-36	15-42	66	3	9

(1) Dimensional tolerance according to DIN 7715 P3

* TP652 should fill the window construction depth as far as possible. For technical and/or optical reasons, the next lowest tape width respective to the window frame width should be selected. Dimensional tolerance according to DIN 7715 P3.

** The limited UV resistance with a concealed installation lasts for up to 3 months. Then the tape must be constructionally protected from direct weathering.

*** As thermal insulation not UV-resistant. Must be constructionally covered from both sides.

Call us today to request your free handy selector tool: 01942 251400

Don't just take our word for it....

With illbruckTrio+, you can boost productivity, save money, and increase the quality of every job you do – but don't just take our word for it. We're delighted that some of the biggest, most respected names in the industry use our products.

"We use illbruck Trio+ from tremco-illbruck on every commercial installation we carry out. It saves us time, money and gives us a seal we can rely on to last for years. We're more than happy to recommend it to anyone in the industry."

Peter Dyer – MD, Dempsey Dyer



tremco illbruck Limited

Coupland Road, Hindley Green, Wigan, WN2 4HT
T. +44 (0)1942 251 400 | info.uk@tremco-illbruck.com

www.tremco-illbruck.co.uk