

Specialinsert

INNOVATIVE FASTENING SYSTEM FOR
CLADDING FACADE



THE KEEP-NUT



- confidential -



KEEP-NUT

- ✓ It's a revolutionary press-in insert with mechanical anchoring to create threaded seat on panels, even thin, made of marble, granite or other stone materials, and moreover on composite, carbon, Corian, HPL, glass and solid materials
- ✓ It is manufactured in stainless steel and it's made of a threaded bush with a set of elastic crowns and a plastic ring
- ✓ **It is certified ETA 15/0615** - Fastener for the rear fixing of facade panels made of Ceramic (stoneware) according to EN 14411:2012®





KEEP-NUT APPLICATIONS 1/2



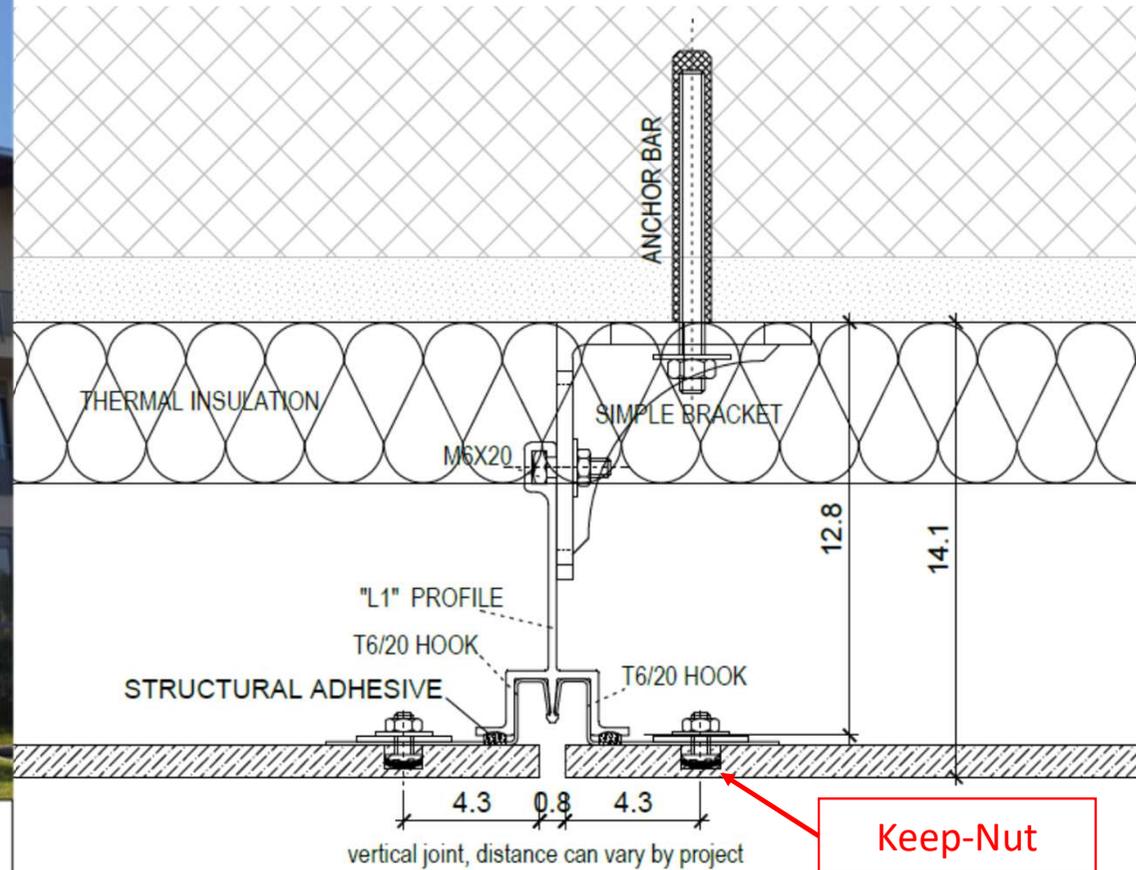
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KEEP-NUT APPLICATIONS 2/2

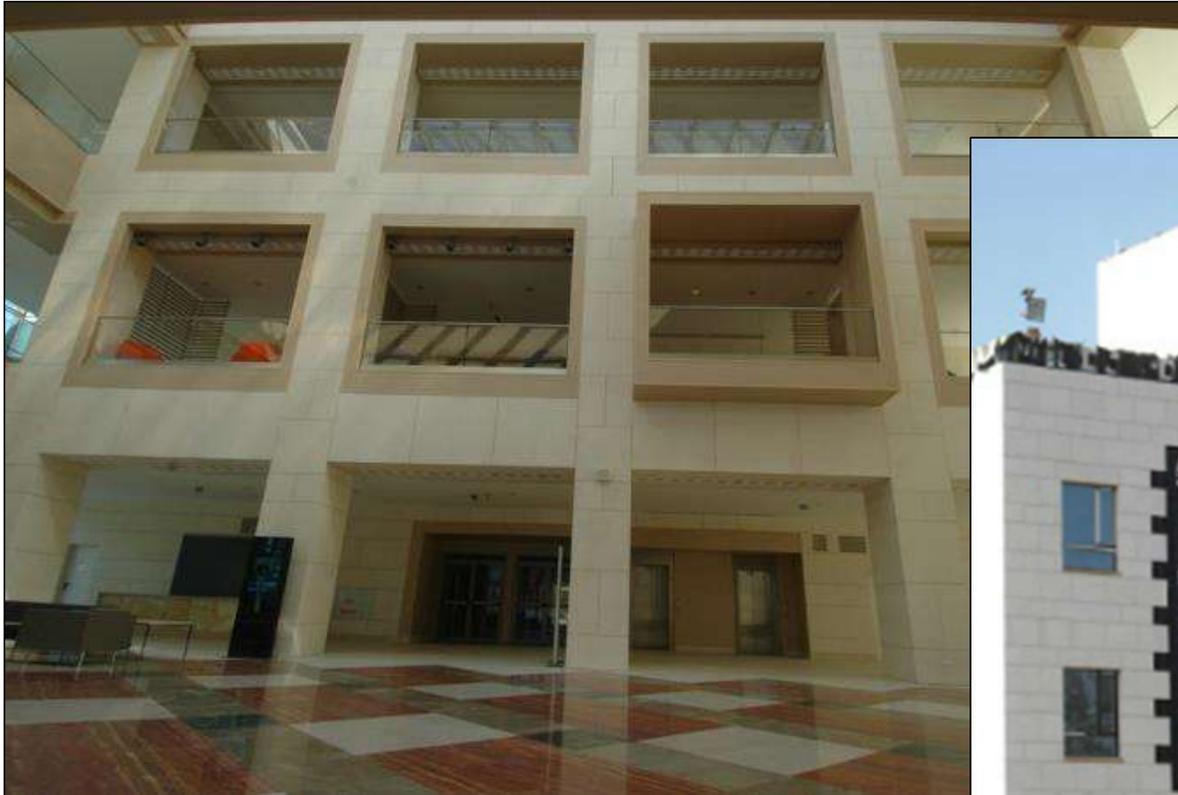


Current façade project with hidden anchors





AZERBAIJAN DIPLOMATIC ACCADEMY (Baku)





RATUSHA COMPLEX (San Petersburg, RUSSIA)





MOSCOW INTERNATIONAL BUSINESS CENTER (Plot 12)





MOSCOW VTB ARENA PARK





Sheikh Abdullah Al Salem Culture Centre KUWAIT





GATEWAY ARCH – ST. LOUIS - USA





AL FANAR – SAUDI ARABIA



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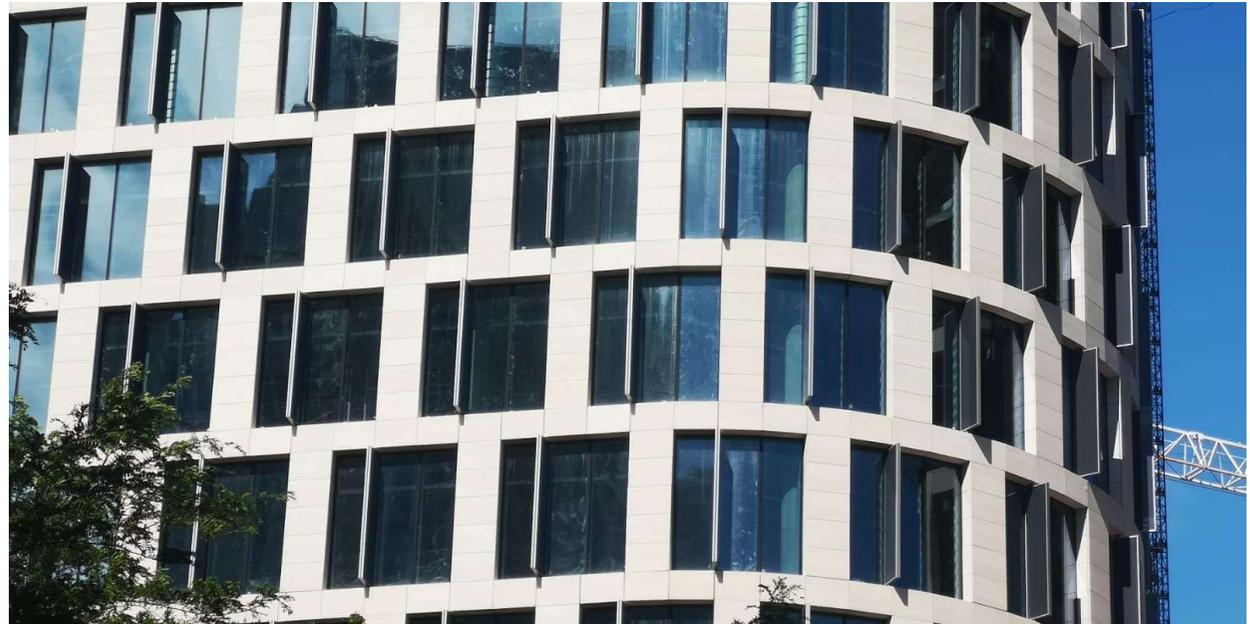


NMBS station – ROESELARE (BELGIUM)





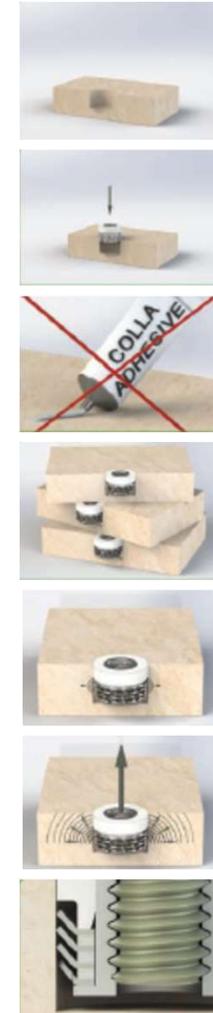
QUATUOR PROJECT - (BELGIUM)





KEEP-NUT ADVANTAGES

1. Cylindrical hole easy to be drilled with standard tools
2. Quick assembly by pressure
3. No needs for resin or adhesives
4. Allowing internal assembly without any external dimensions, facilitating the handling and storage of panels
5. No tensile force on the receiving material when the insert is not pulled-out
6. On use, the elastic crowns are solicited by an axial force, acting radially against the hole walls due to the bending and pressure, avoiding the leakage of the system
7. The «not through» threading of the bush, ensures fastening without the extraction effect due to the possible exceeding length of the screw



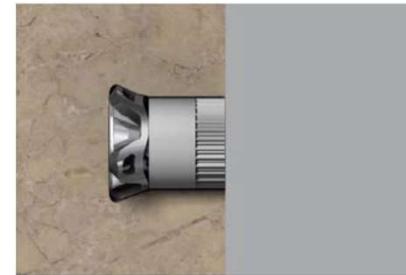
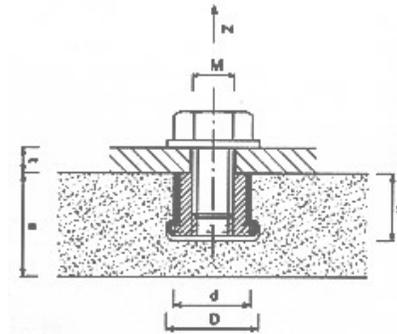
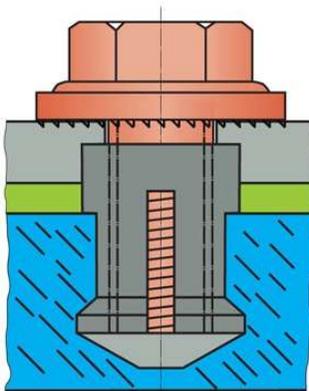


TENSILE/PULL-OUT STRENGTH

Material	Type of Keep-nut	Average pull-out load on a single insert (Kgs.)*
Granite 20mm	IM4S/M6/H8.5	490
Marble 20mm	IM4S/M6/H8.5	385
Travertine 20mm	IM4S/M6/H8.5	225
Fibre cement (high density) 12mm	IM4S/M6/H8.5	275,0
Fibre cement (high density) 10mm	IM4S/M6/H8.5	239,0
Fibre cement (high density) 8mm	IM2S/M6/H6	125,5
HPL 12mm	IM4S/M6/H8.5	541,5
HPL 10mm	IM4S/M6/H8.5	611,5
HPL 8mm	IM2S/M6/H6	270,5
Corian 12mm	IM4S/M6/H8.5	484,5
Corian 10mm	IM2S/M6/H6	295
Agglomerate stone 15mm	IM4S/M6/H8.5	305
Tempered glass 5mm	IM1T/M4/H5	75

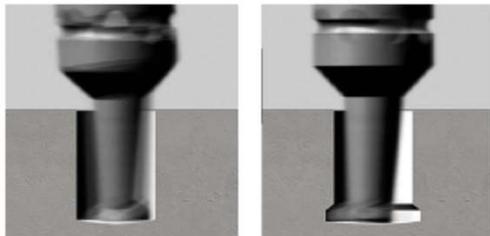
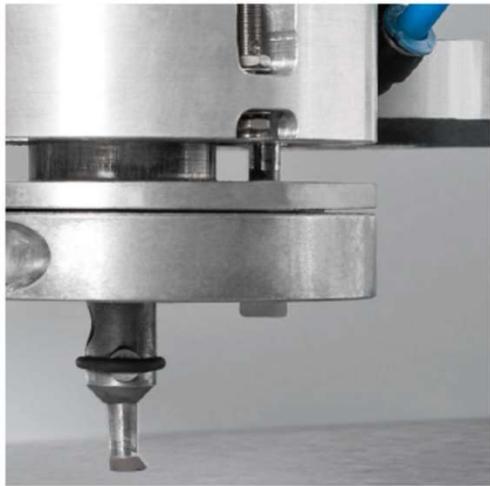
KEEP-NUT Product highlights

All competitors of KEEP-NUT in industrial grade application for cladding facade, with acceptable safety factor, are applied by undercut.



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KEEP-NUT Product highlights



Drilling

Undercutting

The undercut process is very uncomfortable and expensive:

- 1) Very expensive drilling machine with eccentric rotative axel;
- 2) Very expensive drill bit (from 6 to 10 times more than standard);
- 3) Drilling time is twice as much compared to make a cylindrical hole of the same depth (one time for drilling cilindrical, one time for undercut);
- 4) Difficult to be drilled on site;
- 5) Necessary to screw-in the insert to expand it before transport;

All these are resumed in the following costs analisys:

KEEP-NUT Product highlights

If we include the drilling operation and the installation of the inserts, we have the following price comparison:

	Keep-Nut	KEIL	FISCHER	DOCIPA
Drilling cost (average per hole)	0,6 €	1,7 €	1,95 €	1,8 €
Cost for insert (average)	1,25 €	1,25 €	1,2 €	0,9 €
Assembly on site	Included	0,9 €	Included	Included
<u>Total</u>	1,85 €	3,85 €	3,15 €	2,7 €
N. of inserts for a 60x60cm panel	4	4	4	4
<u>Total cost for a 60x60cm panel</u>	7,4 €	15,4 €	12,6 €	10,8 €



KEEP-NUT MEDIA

- Keep-Nut by Specialinsert for wall cladding facades: <https://youtu.be/SXEls46gWPg>
- Keep-Nut by Specialinsert for stones and solid surfaces: <http://youtu.be/ZNjvN-hG4zQ>

<http://www.specialinsert.it/repository/Cataloghi/KNS.pdf>



Thank you for your kind attention

Questions?

Please contact our
International Sales dept. at

export@specialinsert.it