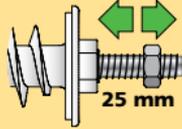
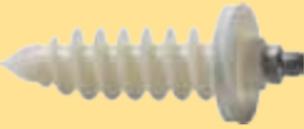


# CELO

Made in Germany



PATENTED

BEST NYLON QUALITY

## Insulation plug *IPL 95DS*

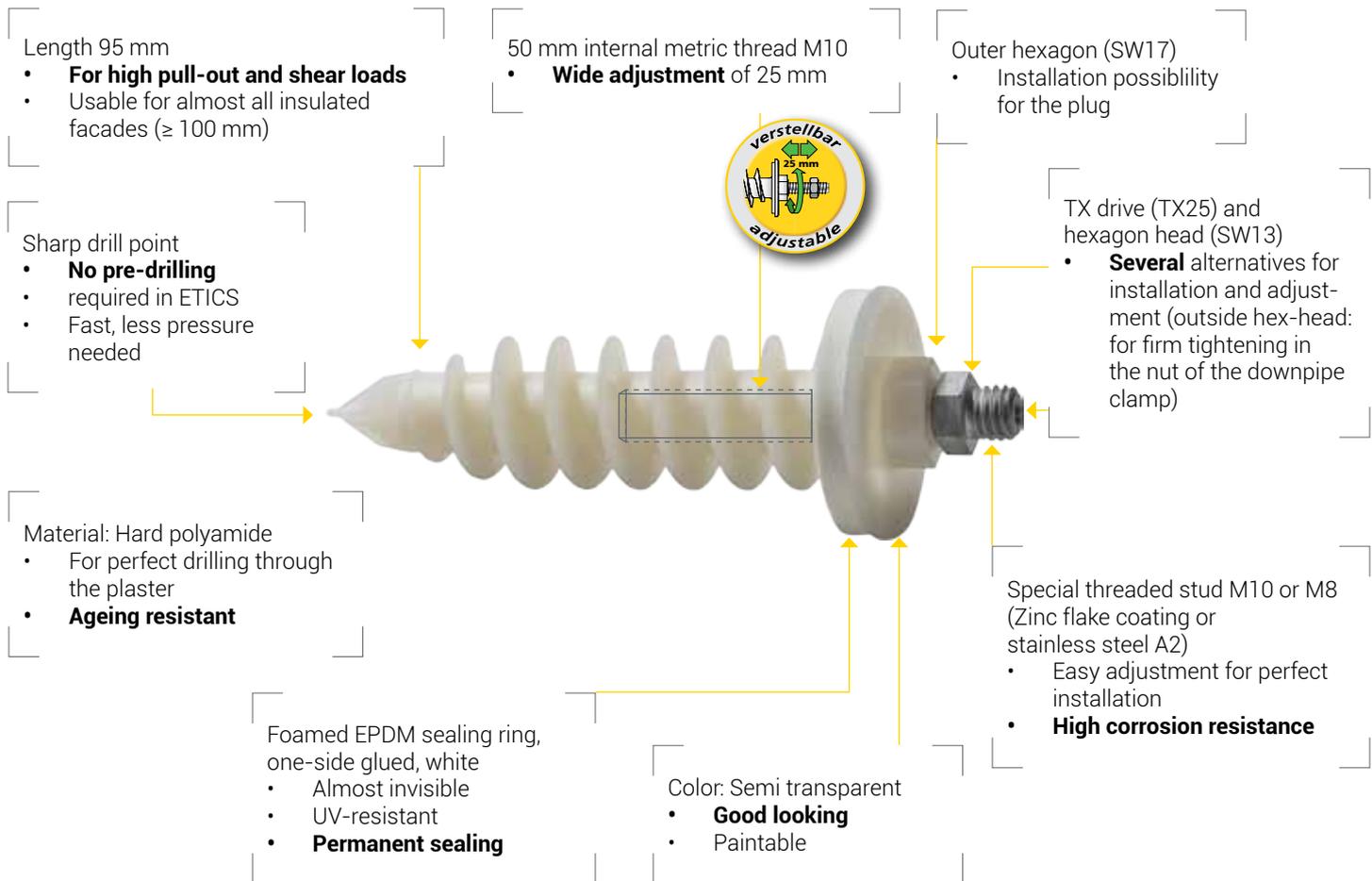
Simple, fast, flexible  
and adjustable!

**NEW**  
&  
**INNOVATIVE**





## The perfect solution for fixing downpipes without a thermal bridge in ETICS



The special threaded stud is pre-assembled in the plug up to the cap. The downpipe will have the usual distance from the wall of about 30 mm

- Extremely fast in installation
- No loose parts



## Comparison with a competitor product

### Competitor product



After a short time the galvanized hanger bolt shows already corrosion.



The anchor was pushed too far into the insulation and the hole was ugly sealed.



Note the different lengths of the protruding threads:

- Either the plug was installed much too deep or the hanger bolt was cut



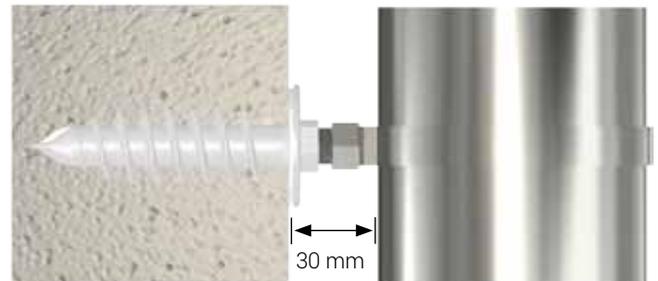
→ It is obvious that an adjustment possibility is required

### Insulation plug IPL 95DS



**Durable corrosion protection** by zinc flake coating of the threaded stud. Alternatively, the IPL 95DS is also available with a stainless steel stud.

The one-piece construction of the plug allows always **optimal sealing** against the wall. The distance to the wall can be adjusted by simply turning the special stud.



The special threaded stud is **assembled** in that way, that the downpipe has the usual distance of 30 mm from the wall. This allows an even faster and easier installation.

# Insulation plug *IPL 95DS*

# CELO

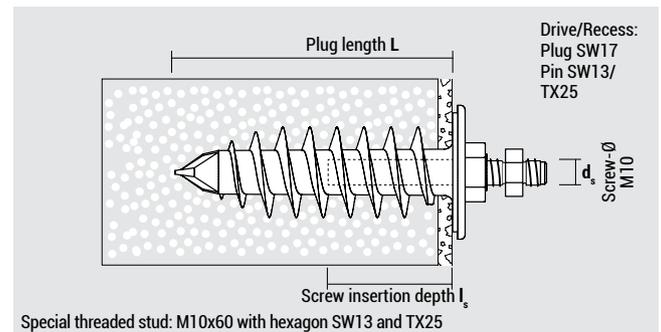


## Advantages

- Perfect solution for fastening downpipes in ETICS: simple, flexible, fast and **adjustable!**
- Direct fastening into the insulation material - no thermal bridge
- Pre-mounted special threaded stud: ideal distance of 30 mm of the rainwater downpipe from the wall; adjustment of further 25 mm possible
- Pre-assembled sealing ring made out of weather resistant cellular rubber
- Self-drilling (ETICS plaster  $\leq 7$  mm) and robust nylon plug, ageing resistant
- Special threaded stud made out of stainless steel A2 or zinc flake coating for optimal corrosion resistance

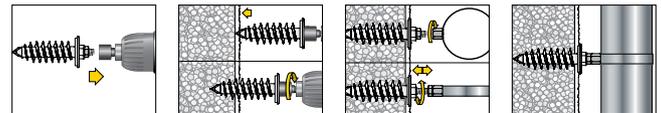
## Suitable materials

- ✓ External Thermal Insulation Composite System (ETICS)
- ✓ Wood fibre insulation boards (pre-drilling: 13mm)
- ✓ Hard foam boards
- ✓ Polystyrene boards
- ✓ Heraklith boards



Special threaded stud: M10x60 with hexagon SW13 and TX25

## Mounting



- The IPL 95DS can be installed with a hexagon SW17 (recommended), hexagon SW13 or TX25 bit
- The special threaded stud can be adjusted up to 25 mm. Tip: If the plug should rotate, fixate it with a wrench SW17.

## IPL 95DS sealing cap $\varnothing = 44,5$ mm

Type	Art-No	L [mm]	Drive/Recess	Internal thread $d_s$ [mm]	Connecting thread	Material Threaded stud	Packing	
							[pcs]	[pcs]
IPL 95DS M8	ZG895IPLDS4	95	Plug: SW17 Stud: SW13/TX25	M10	M8	Zinc flake coating	4	80
IPL 95DS	ZG95IPLDS4	95		M10	M10	Zinc flake coating	4	80
IPL 95DS A2	X95IPLDS4	95		M10	M10	Stainless steel A2	4	80

Packed by 4 pcs incl. installation instruction in a bag

## Loads and dimensions

Type	Usage in Polystyrene EPS (PS15, PS20) $F_{rec}$ [kN]	Usage in Polystyrene XPS $F_{rec}$ [kN]	Special threaded stud	Screw insertion depth $l_s$	
				min [mm]	max [mm]
IPL 95DS	0,10	0,20	M10, total length 60 mm Thread inside the plug: 50 mm	20	50

$F_{rec}$ : Recommended load in all directions incl safety factor ( $\mu = 7$ )

CELO Befestigungssysteme GmbH

Industriestraße 6

D-86551 Aichach

[www.celofixings.com](http://www.celofixings.com)

Hotline: +49 (0) 8251-90485-0

Telefax: +49 (0) 8251-90485-49

E-mail: [info@celofixings.de](mailto:info@celofixings.de)

Present by: