

# Sempre Fixing

## Steel-Nail Mechanical Fixing



Universal hammer-in fixing.

Component of SempreTherm External Wall Insulation Systems.

Technical Data Sheet  
No. 8.SAF  
15.11.2009

### Characteristics

- wide variety of applications:  
European Technical Approval for block, concrete, solid bricks, and stone
- safety thanks to steel nail, and high wind loads resistance
- economic thanks to quick assembly
- can be combined with additional washers
- comfortable handling through pre-assembled steel nail avoids extra work, and breaking nails

### Scope of use

Sempre Amex is a hammer-in fixing approved for a wide variety of substrates like block, concrete, solid, and perforated bricks and stone. The variety of applications reduces the complexity of your product range and simplifies the correct choice. The short expansion zone reduces anchorage lengths – but also a high security level. The preassembled nail provides good assembly characteristics. The punctual thermal bridge is reduced by the plastic moulded head.

### Technical data

Diameter of fixing:	10 mm
Diameter of washer:	60 mm
Depth of drill hole h:	40 mm
Category according to ETA:	ETA-09/0141 cat. A, B ETA-09/0182 cat. B, C, E

### Please note

Design of fixings to withstand design wind loadings, using a safety factor of 3 for mechanical fixings and a safety factor of 9 for adhesive. In addition, fixings around window and door openings shall be at a maximum of 400mm centres in each board or section of board so as to provide positive and robust restraint over the life of the system. The design for wind loading on building greater than two stories should be checked by a chartered engineer in accordance with Eurocode 1: IS EN 1991-1-4:2005 General actions- Wind actions.



### Fixing length

Insulation thickness (mm)		length of fixing	code product
new buildings <sup>1</sup>	retrofit <sup>2</sup>		
60	40	95	SA 95
80	60	115	SA 115
100	80	135	SA 135
120	100	155	SA 155
140	120	175	SA 175
160	140	195	SA 195
180	160	215	SA 215

<sup>1</sup> - 10 mm adhesive thickness

<sup>2</sup> - 10 mm adhesive thickness + 20 mm old render

Our Technical Data Sheets are meant to give advice to the best of our knowledge. Any liability, also with respect to patent law, cannot be accepted. Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the respective standards and Building Regulations. The aforementioned characteristics are based on practical experience and applied testing. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Site- or application-specific conditions may vary from those described here, and thus the correct and successful use of our products is beyond our sphere of influence. If in doubt, the user should first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted either solely based on the content of this Information Sheet or any verbal advice given. Warranted properties and possible uses, which go beyond those warranted in this Information Sheet require our written confirmation. This Information Sheet supersedes all previous issues. It is subject to change without prior notice in the case of further technical developments.

#### Manufacturer:

**WKRET-MET Sp. z o.o. Sp. k**  
ul. Wincentego Witosa 170/176  
Kuźnica Kiedrzyńska, 42-233 Mykanów  
tel: +48 34 377 71 00  
fax: + 48 34 328 01 73  
e-mail: [office@wkret-met.com.pl](mailto:office@wkret-met.com.pl)  
[www.wkret-met.com.pl](http://www.wkret-met.com.pl)

#### ROI Distributor:

**Sempre Therm Ireland Ltd**  
Abbeylea  
Co. Limerick  
tel: +353 68 304 35  
mobile: +353 87 62 55 603  
e-mail: [info@sempretherm.ie](mailto:info@sempretherm.ie)  
[www.sempretherm.ie](http://www.sempretherm.ie)

#### UK Distributor:

**Energytherm**  
Suite 1333, Kemp House, 152-160 City Road  
EC1V 2NX, United Kingdom  
tel: 00 44 (0) 20 3195 3880  
mobile: 00 44 (0) 77 6784 1143  
e-mail: [tom@energytherm.co.uk](mailto:tom@energytherm.co.uk)  
[www.energytherm.co.uk](http://www.energytherm.co.uk)