

Elements that complement the CBM system

I. LOAD CAPACITY OF THE SYSTEM

1.1. Frame plugs KPR-FAST K Ø10 with a diameter of 10 mm and length 100 mm with hex head screw and Torx socket (from the offer of KLIMAS Wkręt-Met) according to ETA-12/0272 of 30.03.2017 (**) or equivalent from a different manufacturer (*).

https://www.wkret-met.com/flipping/zamocowanie_ramowe_i_ogolne_PL/#34 https://www.wkret-met.com/aprobaty/ETA-12_0272.pdf



1.2. Hardened screws for mounting jambs, with a countersunk (type WHO) or cylindrical head (type WHOW) (from the offer of KLIMAS Wkręt-Met) according to by ITB CAT-2017/0308 of 12.12.2017 (**) or equivalent from a different manufacturer (*) with screw tear and bending parameters confirmed by a certified laboratory.

https://www.wkret-met.com/flipping/wkrety_i_laczniki_do_stolarki_otworowej_PL/40/ https://www.wkret-met.com/aprobaty/ITB-KOT-2017_0308.pdf



1.3. Polyurethane adhesives dedicated to polystyrene Soudatherm Fasada (from the offer of Soudal) meeting the requirements of the National Technical Approval AT-15-7808/2015 (**) - Polyurethane adhesive for fixing EPS or XPS panels Soudatherm Fasada/Greinplast KP or equivalent from a different manufacturer (*).

<https://www.soudal.pl/kleje-profi/item/736-klej-do-styropianu-soudatherm-fasada>



II. AIRTIGHTNESS OF THE SYSTEM

Connections between the joinery and external walls are sealed with "Soudal Window System" products made in accordance with the National Technical Approval AT-15-9404/2015 - Set of "Soudal Window System" products, ITB edition.III., 2015 - (**) or equivalent from a different manufacturer (*)

2.1. Flexifoam - flexible polyurethane foam compliant with the Technical Approval ITB AT-15-2815/2015-(**) or equivalent from a different manufacturer (*).

<https://www.soudal.pl/pianki-profi/item/725-flexifoam>



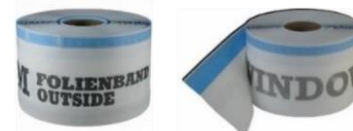
2.2. Vapour-tight tapes compliant with the Technical Approval ITB AT-15-8219/2014 - (**) or equivalent from a different manufacturer (*).

<https://www.soudal.pl/profi-tasmy-sznury/itemlist/category/178-tasmy-wewn%C4%99trzne-paroszczelne>



2.3. Vapour permeable tapes compliant with the Technical Approval ITB AT-15-8219/2014 - (**) or equivalent from a different manufacturer (*).

<https://www.soudal.pl/profi-tasmy-sznury/itemlist/category/177-tasmy-zewnetrzne>



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2.4. Soudafoil 360H adhesive based on hybrid polymers authorized with Technical Approval ITB AT-15-9404/2015 - (**) or from different manufacturer with adhesion EPS to both vapour permeable and vapour-tight tapes confirmed by a certified laboratory (*).
<https://www.soudal.pl/kleje-profi/item/859-soudafoil-360h>



III. ADDITIONAL PRODUCTS - OPTIONAL

3.1. For protecting external connections from the effects of UV radiation by filling the joints-welds: wall - polystyrene CBM elements, between styrofoam CBM elements - outer acrylic such as Marbet TITAN® AKRYL adhesive-sealant

<http://www.marbetdesign.com/pl/oferta/kleje-i-narzedzia/item/513-klej-uszczelniaztitanakryl.html>



3.2. For installation of PPW and PPZ window sills bases and nib - Installation foam, i.e. Soudal Window& Door compliant with AT-15-2815/2015 - (**)

<https://www.soudal.pl/pianki-profi/item/417-soudafoam-gun-pianka-pistoletowa>



3.3. If needed to improve the adhesion of PU adhesive to the masonry - priming agent for mineral substrates such as Soudal WBPR 21

<https://www.soudal.pl/profi-primery/item/740-deep-primer-wbpr-21p>



3.4. For installation of nib in the target version - expansion sealing tape such as Soudaband

<https://www.soudal.pl/profi-tasmy-sznury/item/457-tasma-rozprezna-soudaband-acryl>



(*) – equivalent product from a different manufacturer is a product, the manufacturer or distributor of which is able to prove that the selected product features and parameters (essential for the application with CBM Marbet beams) are not worse than the features and parameters of the base product (by participating in approval tests).
MARBET SP. z o.o. is not responsible for incorrect selection of equivalent products and, in the case of substitution of base materials, the company is not responsible for the effects in terms of the obtained load bearing capacity and airtightness of connections.

(**) – Reference document in accordance with the applicable regulations as well as subsequent amendments and updates.