

EnergiePlus comfort

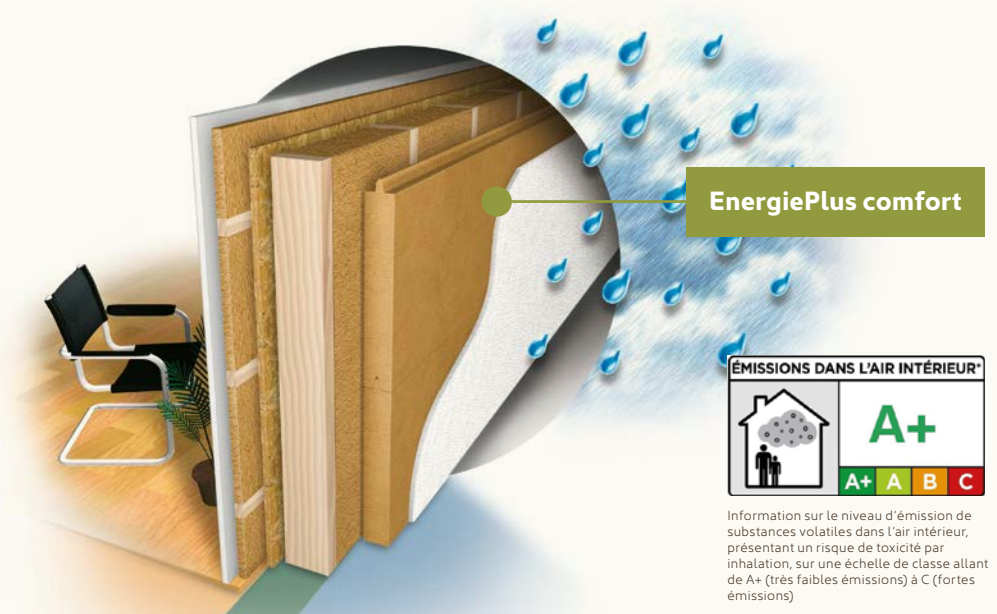
THE HOMOGENEOUS PLASTER BASE BOARD FOR TIMBER FRAME CONSTRUCTION.



The homogeneous plaster base board for composite thermal insulation systems (CTIS) in timber frame constructions, CTIS EnergiePlus comfort, manufactured using an innovative dry process. Fitted with tongue and groove, plaster base boards are mounted full surface directly onto the timber studs.

IHRE DÄMMVORTEILE AUF EINEN BLICK:

- Manufactured using a modern dry process
- Plasterable surface
- Low thermal conductivity
- All-round symmetrical tongue and groove
- High compressive strength
- Hydrophobic throughout
- Vapour permeable
- National technical approval



Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)

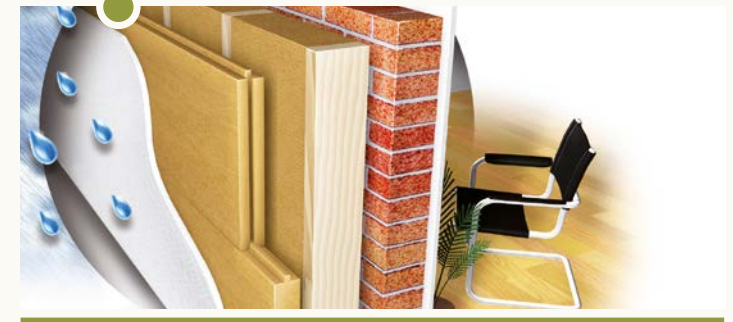


APPLICATIONS

- Types of application in accordance with DIN 4108-10: WABds, WAPzh, WH, WlZg
- Plaster base board for composite thermal insulation systems (e.g. CTIS EnergiePlus comfort) in timber frame construction



The plaster base board is designed specifically for use in timber frame construction, in respect of format, rigidity and hydrophobic property. It may therefore be mounted directly on the wall studs, creating a perfect and stable substrate for plastering.



Thermal bridges are largely avoided. Thicknesses up to 160 mm assure outstanding thermal protection in a single work step.



TECHNICAL DATA



Description	Wood fibre insulation board WF-EN13171-T5-TR20-CS(10/Y)100-WS1.0-MU3-AFr100				
National technical approval (DIBt)	Z-23.15-1417 Plaster base board Z-33.47-905 CTIS EnergiePlus comfort				
Complete declaration	Wood fibres, PMDI bonding 4 %, paraffin 1 %				
Manufacturing process	Dry process				
Specific heat capacity	2100 J/(kg·K)				
Raw density (ca.)	185 kg/m ³				
Compressive stress at 10 % deformation	≥ 100 kPa				
Tensile strength perpendicular to the plane of the board	≥ 20 kPa				
Water vapour diffusion resistance factor μ	3				
Rated value of the thermal conductivity	<table border="0"> <tr> <td>up to 60 mm thick:</td> <td> $\lambda_b = 0,043 \text{ W/(mK)}$ [EU] λ i.c.w. SIA 279 = 0,044 W/(mK) [CH] $\lambda = 0,046 \text{ W/(mK)}$ [DE] $\lambda_r = 0,047 \text{ W/(mK)}$ [AT] </td> </tr> <tr> <td>up to 80 mm thick:</td> <td> $\lambda_b = 0,039 \text{ W/(mK)}$ [EU] λ i.c.w. SIA 279 = 0,040 W/(mK) [CH] $\lambda = 0,042 \text{ W/(mK)}$ [DE] $\lambda_r = 0,043 \text{ W/(mK)}$ [AT] </td> </tr> </table>	up to 60 mm thick:	$\lambda_b = 0,043 \text{ W/(mK)}$ [EU] λ i.c.w. SIA 279 = 0,044 W/(mK) [CH] $\lambda = 0,046 \text{ W/(mK)}$ [DE] $\lambda_r = 0,047 \text{ W/(mK)}$ [AT]	up to 80 mm thick:	$\lambda_b = 0,039 \text{ W/(mK)}$ [EU] λ i.c.w. SIA 279 = 0,040 W/(mK) [CH] $\lambda = 0,042 \text{ W/(mK)}$ [DE] $\lambda_r = 0,043 \text{ W/(mK)}$ [AT]
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TECHNICAL DATA



Flow resistance per meter	≥ 100 kPa·s/m ²
Short-term water absorption	≤ 1.0 kg/m ²
Fire protection	Euro class in accordance with EN 13501-1: E
Disposal code in acc. with AVV	030105, 170201

FORMATS



Form of supply	homogeneous boards	
Edge profile	tongue and groove	
Thicknesses [mm]	22*, 40, 60, 80, 100, 120, 140, 160	60, 80
Delivery and calculation dimension [mm]	1325 x 615	2625 x 1205
Coverage dimensions [mm]	1300 x 590	2600 x 1180

* jamb panels are available as accessories.

ANY QUESTIONS? USE THE FOLLOWING ADDRESSES FOR EXPERT ADVICE:

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Training & Manufacturing Tÿ-Mawr, Llangasty, Brecon, Powys Wales LD3 7PJ Tel: 01874 658000 Fax: 01874 622774

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