



**WOOD FIBER INSULATION BOARD**

**TECHNICAL & INFORMATIVE SHEET**



**THE ECOLOGICAL, EFFICIENT AND  
MULTIFUNCTIONAL INSULATION PANEL**

AN INSULATING PANEL FROM NATURAL WOOD FIBER BY DRY PROCESS. THIS BIOSOURCED INSULATION WITH MULTIPLE BENEFITS WILL MAKE YOUR BUILDING HEALTHIER, MORE PERFORMANT AND MORE DURABLE BY PROVIDING HIS OCCUPANTS A BETTER QUALITY OF LIFE.



## COMPOSITION

- Wood fiber
- Polyurethane resin
- Paraffin

## CHARACTERISTICS

- R-value 3 / inch
- Open to water vapor diffusion (regulates humidity naturally)
- Phase shift very efficient
- Cut thermal bridges
- Rain barrier
- Ease of implementation
- Hygrometric regulator
- Carbon negative
- Healthy and natural (hypoallergenic)
- Eco-Energetic
- Superior quality and durable insulation

## TECHNICAL CHARACTERISTICS

STEICO <i>universal dry</i>	
Board designation	WF - EN 13171 - T5 - CS (10\Y)180 - TR25 - WS1.0 - MU3
Edge design	Special tongue and groove profiles
Fire class according to EN 13501-1	E
Declared thermal conductivity $\lambda_D$ [W/(m·K)]	0.045 (35,40mm) / 0.043 (52 - 100mm)
Declared thermal resistance RD [(m <sup>2</sup> ·K)/W]	0.75 (35) / 0.85 (40) / 1.20 (52) / 1.40 (60) / 1.85 (80) / 2.30 (100)
Density [kg/m <sup>3</sup> ]	ca. 210 (35, 40mm) / ca. 180 (52 - 100mm)
Water vapour diffusion resistance factor $\mu$	3
sd value [m]	0.11 (35) / 0.12 (40) / 0.16 (52) / 0.18 (60) / 0.24 (80) / 0.30 (100)
Short-term water absorption [kg/m <sup>2</sup> ]	≤ 1.0
Specific heat capacity $\rho c_p$ [(kg·K)]	2.100
Compression strength at 10% deformation $\sigma_{10}$ [N/mm <sup>2</sup> ]	0,18
Compression strength [kPa]	180
Tensile strength perpendicular to face [kPa]	≥ 25
Declared level of airflow resistance [(kPa·s)/m <sup>2</sup> d]	≥ 100
Raw material	wood fibre, polyurethane resin, paraffin wax
Waste code (EAK)	030105 / 170201

REFERENCE IN ECOLOGICAL BUILDINGS



NovEnviro

**USE**

- Insulation of walls, roofs, floors and RVs.

**PROPOSED DIMENSIONS**

R-Value	Thickness	Width	Height
R 4.5	1.5"	28.5"	85 7/8"
R 8.6	2 3/8"	28.5"	85 7/8"

FOR MORE INFORMATION AND TO MAKE AN ORDER

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