

**DECLARATION OF PERFORMANCE**  
 No. MW/051C/CE/2024

1. **THERMOWOOL ROOF V OPTIMA 180**  
 MW-EN 13162-T5- DS (70,-)-DS(23,90)- CS(10)60-TR15-PL(5)700 -WS-WL(P)-MU1- RtF: A1
2. Intended use: Thermal insulation boards for building
3. Manufacturer:  
 Limited Liability Company "Heat-Insulating Plant "TECHNO"  
 Having its seat in: LLC «Plant «TECHNO» 18028 Ukraine, Cherkassy, Rizdvyana Street 300  
 ORIGIN: Ukraine  
 Tel/fax: +38-(0472)-71-97-97  
 techno@sweetondale.cz
4. -
5. AVCP 1 (1+3)
6. Harmonized standard: EN 13162:2012+A1:2015  
 Notified body No. 1023. Institut pro testování a certifikaci, a.s. třída Tomáše Bati 299, Louky, 763 02 Zlín Česká republika/Czech Republic  
 tel/phone: +420 577601541
7. Declared performance/s:

| Essential characteristics  | Performance                           | Harmonized technical specification |
|--|---------------------------------------|------------------------------------|
| Declared thermal conductivity at 10 °C, $\lambda_D$ , W/m <sup>2</sup> K | 0,040                                 | <b>EN 13162:2012 + A1:2015</b>     |
| Limit deviations Length, Width, mm                                       | $\pm 2/\pm 1,5$ %                     |                                    |
| Limit deviations of thickness, mm  | T5                                    |                                    |
| Thickness, (with increments of 10 mm), mm                                | 30-110                                |                                    |
| Deviation from squareness, mm/m  | < 5                                   |                                    |
| Deviation from flatness, mm  | < 6                                   |                                    |
| Compressive stress at 10% deformation, kPa                               | CS(10)60                              |                                    |
| Tensile strength perpendicular to faces, kPa                             | TR15                                  |                                    |
| Point Load, N  | PL(5)700                              |                                    |
| Dimensional stability, %:<br>-at specified temperature                   | DS(70,-) less than 1                  |                                    |
| -under specified temperature (23oC) and humidity conditions (90%R.H.)    | DS(23,90) less than 1                 |                                    |
| Reaction to fire, euroclass  | A1                                    |                                    |
| Water Absorption during Short/   | WS less than 1                        |                                    |
| Longterm Immersion kg/m <sup>2</sup>                                     | WL(P) less than 3                     |                                    |
| Water vapour transmission, MU  | MU1                                   |                                    |
| Dangerous Substances:  | Does not include dangerous substances |                                    |

8. Appropriate Technical Documentation and/or Specific Technical Documentation: -

Signed for and on behalf of the manufacturer by:

 General Director  
 LLC «Plant «TECHNO». At Cherkassy on 16.05.2024

Mr. Oleg Khodakivskyi

