DECLARATION OF PERFORMANCE
Br. GP01-DOP/TWB+

TWOOL BASIC+ 50-200 mm

1. **The unique identification code of the product type and trade names are shown in Table 1.**

Product name	Product form	Unique identification code
TWOOL BASIC+	Roll	TWB+38

2. **Purpose**

Intended use or use of the construction product in accordance with the applicable harmonized specification as specified by the manufacturer. Thermal insulation for buildings according to EN 13162:2012+A1:2015 – Products for thermal insulation of buildings – factory produced from glass wool.

3. **Manufacturer**

Thermowool d.o.o., Termovul 2,Industrijska zona, 22244 Adaševci R. Srbija

4. **Authorized representative**: it is not relevant

5. **System/Systems for assessment and verification of property consistency (AVCP) :**

- System 1
- System 3

6. **Harmonized standard: EN13162: 2012+ A1:2015**

The authorized certification body Forschungsinstitut fur Warmeschutz e. V.Munchen br. **0751** conducted the determination of the type of product, the initial inspection of the product facility, factory product controls according to System 1, continuous monitoring, assessment and evaluation of factory production control, and issued a certificate of performance consistency for fire reaction no. **0751-CPR-397.0-01**

7. **Declared properties:**

Dokumentovana informacija je važeća i u elektronskoj formi bez potpisa!
Zabranjeno je neovlašćeno umnožavanje i nekontrolisana distribucija!

Table 1.

Basic properties	Properties	Abbreviated	Unit	Declared properties
Reaction to fire	Reaction to fire	RtF	Euroclasa	A1
Discharge hazardous substances into the enviroment	Discharge hazardous substances			NPD
Sound absorption index	Sound absorption	α_p, α_w		NPD
Sound insulation index	Dynamic stiffness	s'	mN/m^3	NPD
	Thickness	d_L	mm	NPD
	Sound insolation	c	mm	NPD
	Airflow resistance	AFr	$kPa\ s/m^2$	≥ 5
Sound insulation coefficient	Airflow resistance	AFr	$kPa\ s/m^2$	≥ 5
Continuous glowing combustion	Continuous glowing combustion			NPD
Thermal resistance	Thermal resistance	R_D	$m^2\ K/W$	Table 2
	Thermal conductivity	λ_D	W/(m K)	0,038
	Thickness	dN	mm	50 - 200
	Thickness class	T	Clasa	T1
Water permeability	Short-term water absorption	Wp	kg/m2	NPD
	Long-term water absorption	Wlp	kg/m2	NPD
Vapor permeability	Water vapor peremeability	μ	-	<1
Compressive strenght	Compressive strenght	CS	kPa	NPD
	Point load	Fp	N	NPD
Stability of reaction to fire under high temperatures, weather conditions, aging/degradation	Reaction to fire	RtF	Euroclasa	A1
Stability of thermas resistance under high temperatures, weather conditions, aging/degradation	Thermal resistance	RD	$m^2\ K/W$	Table 2
	Thermal conductivity	λD	W/(m K)	0,038
	Thickness stability	Δεd	%	NPD
Tensile strenght / Flexural strenght	Tensile strenght vertically to the surface	TR	kPa	NPD
Stability of compressive strenght under high temperature, weather conditions, aging/degradation	Compressive strenght	Xct, Xt	mm	NPD

1- "NPD" performance has not been established

Dokumentovana informacija je važeća i u elektronskoj formi bez potpisa!
Zabranjeno je neovlašćeno umnožavanje i nekontrolisana distribucija!

Table 2.

Important characteristics	Labels/ Marks	Unit	Thickness mm	Declared properties
Thermal resistance	R_D	m^2K/W	50	1,32
			60	1,58
			80	2,10
			100	2,63
			120	3,16
			140	3,68
			150	3,95
			160	4,21
			180	4,74
			200	5,26

Technical documentation and/or specific technical documentation: not applicable.
The performances of the products listed above are in accordance with the set of declared performances.
This declaration of performance is issued under the exclusive responsibility of the manufacturer mentioned above.

On behalf of the manufacturer and in his name, signed

Director: Rade Ilić

Date:

Signature: