

**TWOOL BASIC LUX 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 Lux	Roll	TWB37

**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 für Wärmeschutz e. V. München 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:**

Table 1.

Basic properties	Properties	Abbreviated	Unit	Declared properties
Reaction to fire	Reaction to fire	RtF	Euroclasa	A1
Discharge hazardous substances into the environment	Discharge hazardous substances			NPD
Sound absorption index	Sound absorption	$\alpha_p, \alpha_w$		NPD
Sound insulation index	Dynamic stiffness	$s'$	mN/m <sup>3</sup>	NPD
	Thickness	$d_L$	mm	NPD
	Sound insulation	$c$	mm	NPD
	Airflow resistance	AFr	kPa s/m <sup>2</sup>	≥ 5
Sound insulation coefficient	Airflow resistance	AFr	kPa s/m <sup>2</sup>	≥ 5
Continuous glowing combustion	Continuous glowing combustion			NPD
Thermal resistance	Thermal resistance	$R_D$	m <sup>2</sup> K/W	Table 2
	Thermal conductivity	$\lambda_D$	W/(m K)	0,037
	Thickness	$d_N$	mm	50 - 200
	Thickness class	$T$	Clasa	T1
Water permeability	Short-term water absorption	$W_p$	kg/m <sup>2</sup>	NPD
	Long-term water absorption	$W_{lp}$	kg/m <sup>2</sup>	NPD
Vapor permeability	Water vapor permeability	$\mu$	-	<1
Compressive strength	Compressive strength	CS	kPa	NPD
	Point load	$F_p$	N	NPD
Stability of reaction to fire under high temperatures, weather conditions, aging/degradation	Reaction to fire	RtF	Euroclasa	A1
Stability of thermal resistance under high temperatures, weather conditions, aging/degradation	Thermal resistance	$R_D$	m <sup>2</sup> K/W	Table 2
	Thermal conductivity	$\lambda_D$	W/(m K)	0,037
	Thickness stability	$\Delta \epsilon_d$	%	NPD
Tensile strength / Flexural strength	Tensile strength vertically to the surface	TR	kPa	NPD
Stability of compressive strength under high temperature, weather conditions, aging/degradation	Compressive strength	$X_{ct}, X_t$	mm	NPD

1- "NPD" performance has not been established

Table 2.

Important characteristics	Labels/ Marks	Unit	Thickness	Declared properties
			mm	
Thermal resistance	R <sub>D</sub>	m <sup>2</sup> K/W	50	1,35
			100	2.70
			150	4.05
			200	5.40

**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:



