

DECLARATION OF PERFORMANCE

No. 05-CPR-2023

Based on Regulation (EU) No 305/2011

1. **Unique identification code of the product-type :**
FIBERGLASS MESH BICO EXPERT 165 g/mp
2. **Intended use or uses of the construction product :**
BICO EXPERT 165 g/mp are rectangular glass fibre meshes for reinforcement of cementitious or cement based renderings made of glass fibre strands. To provide resistance to alkali conditions, they are coated by an organic layer.
3. **Manufacturer:**
S.C. BICO INDUSTRIES S.A.
Piatra Neamt, Petru Movila Street, No. 31; Tel: +40233 211400; Fax: +40233 211500; E-mail: office@bicoindustries.ro; www.bicoindustries.ro
Factory: Vaslui, street: Metalurgiei nr. 1 Tel/fax: +40 235 311079
4. **Authorized representative :**
S.C. BICO INDUSTRIES S.A.
Piatra Neamt, Petru Movila Street, No. 31; Tel: +40233 211400; Fax: +40233 211500; E-mail: office@bicoindustries.ro; www.bicoindustries.ro
Factory: Vaslui, street: Metalurgiei nr. 1 Tel/fax: +40 235 311079
5. **System(s) of assessment and verification of constancy of performance : 2+**
6. **European Assessment Document:**
EAD 040016-01-0404 – Glass fiber mesh for reinforcement of cement based renderings
European Technical Assessment:
ETA23/0477
Technical Assessment Body
Notified Body 1020
7. **Declared performances:**

Essential characteristics	Harmonised technical specification		Performance	
Mass per unit area	EAD 040016-01-0404, clause 2.2.8		165 g/m2	
Mesh size	EAD 040016-01-0404, clause 2.2.5	Average mesh size	4x4 mm	
		Average mesh opening	3,6x3,1 mm	
		Coverage ratio	30%	
Tensile strength and elongation	EAD 040016-01-0404 clause 2.2.7	Number of threads within the width of 50 mm of the sample used for tensile strength testing	Warp direction	Weft direction
			13	13
		In the initial state -tensile strength $T_{max,m}$ - tensile strength $R_{50,m}$ -elongation ϵ_m	Warp direction	Weft direction
			38 kN/m 1878 N/50 mm 4,1%	54 kN/m 2680 N/50 mm 3,5 %
		After alkalis conditioning - tensile strength $T_{max,m}$ - tensile strength $R_{50,m}$ -elongation ϵ -residual value of tensile strength $\Delta T_{max,ag}$	warp	weft
			21 kN/m 1045 N/50 mm 2,4% 55,3%	51 kN/m 2557 N/50 mm 3,4 % 94,4 %
Organic content	EAD 040016-01-0404, clause 2.2.2		19,6 %	
Gross heat of combustion	EAD 040016-01-0404, clause 2.2.3		7,653 MJ/kg	

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

Not relevant

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and behalf of the manufacturer by:

Adrian Cîmpeanu
Factory Manager



Vaslui, 20.07.2023



DECLARATION OF PERFORMANCE

No. 03-CPR-2023

Based on Regulation (EU) No 305/2011

1. **Unique identification code of the product-type :**
FIBERGLASS MESH BICO EXPERT 160 g/mp
2. **Intended use or uses of the construction product :**
BICO EXPERT 160 g/mp are rectangular glass fibre meshes for reinforcement of cementitious or cement based renderings made of glass fibre strands. To provide resistance to alkali conditions, they are coated by an organic layer.
3. **Manufacturer:**
S.C. BICO INDUSTRIES S.A.
Piatra Neamt, Petru Movila Street, No. 31; Tel: +40233 211400; Fax: +40233 211500; E-mail: office@bicoindustries.ro; www.bicoindustries.ro
Factory: Vaslui, street: Metalurgiei nr. 1 Tel/fax: +40 235 311079
4. **Authorized representative :**
S.C. BICO INDUSTRIES S.A.
Piatra Neamt, Petru Movila Street, No. 31; Tel: +40233 211400; Fax: +40233 211500; E-mail: office@bicoindustries.ro; www.bicoindustries.ro
Factory: Vaslui, street: Metalurgiei nr. 1 Tel/fax: +40 235 311079
5. **System(s) of assessment and verification of constancy of performance : 2+**
6. **European Assessment Document:**
EAD 040016-01-0404 – Glass fiber mesh for reinforcement of cement based renderings
European Technical Assessment:
ETA23/0477
Technical Assessment Body
Notified Body 1020
7. **Declared performances:**

Essential characteristics	Harmonised technical specification		Performance		
Mass per unit area	EAD 040016-01-0404, clause 2.2.8		164 g/m2		
Mesh size	EAD 040016-01-0404, clause 2.2.5	Average mesh size (warp direction x weft direction)	4x5 mm		
		Average mesh opening (warp direction x weft direction)	3,6x3,9 mm		
		Coverage ratio	29 %		
Tensile strength and elongation	EAD 040016-01-0404 clause 2.2.7	Number of threads within the width of 50 mm of the sample used for tensile strength testing	Warp direction	Weft direction	
			13	10	
		In the initial state - tensile strength $T_{max,m}$ - tensile strength $R_{50,m}$ -elongation ϵ_m	Warp direction	Weft direction	
			39 kN/m 1955 N/50 mm 3,6%	44 kN/m 2202 N/50 mm 3,3 %	
			After alkalis conditioning - tensile strength $T_{max,m}$ - tensile strength $R_{50,m}$ -elongation ϵ -residual value of tensile strength $\Delta T_{max,ag}$	Warp direction	Weft direction
		27 kN/m 1362 N/50 mm 2,6% 69,2%		43 kN/m 2168 N/50 mm 3,2 % 97,7 %	
		Organic content		EAD 040016-01-0404, clause 2.2.2	Ash content
			78,5 %		21,5 %
Gross heat of combustion	EAD 040016-01-0404, clause 2.2.3	8,532 MJ/kg			

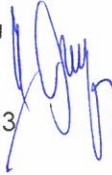
8. Appropriate Technical Documentation and/or Specific Technical Documentation :
Not relevant

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and behalf of the manufacturer by:

Adrian Cîmpeanu
Factory Manager

Vaslui, 20.07.2023



DECLARATION OF PERFORMANCE

No. 01-CPR-2023

Based on Regulation (EU) No 305/2011

1. **Unique identification code of the product-type :**
FIBERGLASS MESH BICO EXPERT 145 g/mp
2. **Intended use or uses of the construction product :**
BICO EXPERT 145 g/mp are rectangular glass fibre meshes for reinforcement of cementitious or cement based renderings made of glass fibre strands. To provide resistance to alkali conditions, they are coated by an organic layer.
3. **Manufacturer:**
S.C. BICO INDUSTRIES S.A.
Piatra Neamt, Petru Movila Street, No. 31; Tel: +40233 211400; Fax: +40233 211500; E-mail: office@bicoindustries.ro; www.bicoindustries.ro
Factory: Vaslui, street: Metalurgiei nr. 1 Tel/fax: +40 235 311079
4. **Authorized representative :**
S.C. BICO INDUSTRIES S.A.
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Factory: Vaslui, street: Metalurgiei nr. 1 Tel/fax: +40 235 311079
5. **System(s) of assessment and verification of constancy of performance : 2+**
6. **European Assessment Document:**
EAD 040016-01-0404 – Glass fiber mesh for reinforcement of cement based renderings
European Technical Assessment:
ETA23/0477
Technical Assessment Body
Notified Body 1020
7. **Declared performances:**

Essential characteristics	Harmonised technical specification		Performance	
Mass per unit area	EAD 040016-01-0404, clause 2.2.8		143 g/m ²	
Mesh size	EAD 040016-01-0404, clause 2.2.5	Average mesh size (warp direction x weft direction)	5x5,2 mm	
		Average mesh opening (warp direction x weft direction)	4,6x4,1 mm	
		Coverage ratio	27 %	
Tensile strength and elongation	EAD 040016-01-0404 clause 2.2.7	Number of threads within the width of 50 mm of the sample used for tensile strength testing	Warp direction	Weft direction
			10	10
		In the initial state - tensile strength $T_{max,m}$ - tensile strength $R_{50,m}$ - elongation ϵ_m	Warp direction	Weft direction
			28 kN/m 1410 N/50 mm 3,2%	47 kN/m 2360 N/50 mm 4 %
			Warp direction	Weft direction
		After alkalis conditioning - tensile strength $T_{max,m}$ - tensile strength $R_{50,m}$ - elongation ϵ - residual value of tensile strength $\Delta T_{max,ag}$	20 kN/m 1025 N/50 mm 2,3% 71,4%	32 kN/m 1578 N/50 mm 2,5 % 68,1 %
Organic content	EAD 040016-01-0404, clause 2.2.2	Ash content		Organic content
		79,1 %		20,9 %
Gross heat of combustion	EAD 040016-01-0404, clause 2.2.3	8,475 MJ/kg		

8. Appropriate Technical Documentation and/or Specific Technical Documentation :
Not relevant

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and behalf of the manufacturer by:

Adrian Cîmpeanu
Factory Manager

Vaslui, 20.07.2023

