

Section 1 - Identification of The Material Manufacture

Company Details:

Walther Strong & Company Ltd
Unit 3, Dysart Road
Autumn Business Park
NG31 7DD

Phone: 01780 437222

Website: www.waltherstrong.com

Email: enquiries@waltherstrongandco.com



Section 2 - Product Description

Rebarflex is a professional-grade alternative to standard steel mesh, offering up to 62% greater crack prevention compared to traditional steel mesh. This innovative product delivers an impressive strength of 2750N/500mm, surpassing standard steel mesh in durability while providing significant practical advantages.

Rebarflex will not rust, is easy to cut, and is lightweight, making it far simpler to store and transport. Additionally, Rebarflex is completely alkali-resistant, thanks to its advanced ALKAMAXX coating, ensuring long-lasting performance in challenging environments.

PRODUCT CODE	PRODUCT DESCRIPTION	BOX QTY
WS-REBARFLEX500G	1M X 50M ROLL - 50M2/ROLL	33

Section 3 - Applications

Installation is over six times faster than traditional steel mesh, making it ideal for use in screeds, concrete bases, resin driveways and other construction applications.

Section 4 - Storage & Handling

Packed rolls are to be stored in dry rooms, protected against UV and heat, practically packed in plastic foil, vertically in cardboard box, on a wooden pallet. The temperature of storing shall be between (-) 10°C and (+)40°C.

Section 6 - Properties

PROPERTIES	RELEVANT STANDARDS	TECHNICAL DATA	UNIT	TOLERANCE
Length	Manufacturer's declared value	50	m	(±)1%
Width	Manufacturer's declared value	1000	mm	(±)1%
Mesh size	EAD 260057-00-0303, 2.2.5	9,5 x 40,0	mm	(±)2
Treated fabric weight	EAD 260057-00-0303, 2.2.8	149	g/m ²	(±)5%
Thickness	EAD 260057-00-0303, 2.2.9	1,32	mm	
Organic content	EAD 260057-00-0303, 2.2.2	17,6	%	(±)4%
Average tensile strength	EAD 260057-00-0303, 2.2.7	2520/1760	N/5cm	
Elongation	EAD 260057-00-0303, 2.2.7	2,8/1,8	%	
Average tensile strength after alkali ageing	EAD 260057-00-0303, 2.2.7	1765/1560	N/5cm	
Elongation after ageing	EAD 260057-00-0303, 2.2.7	2,0/1,5	%	
Average tensile strength after acid ageing	EAD 260057-00-0303, 2.2.7	2720/2250	N/5cm	
Elongation after ageing	EAD 260057-00-0303, 2.2.7	3,0/2,4	%	
Standard steel mesh comparison		2700	N/5cm	

Section 7 - Guarantee / Warranty

In accordance with current legislation and the distributor's conditions, any warranty claims are subject to adherence to the product's application guidelines and proof of purchase via an invoice. These are required prerequisites for making any warranty claims in the future.

Section 8 - Health & Safety

No labelling required in accordance with the relevant regulations (EC) n0. 1907/2006 of the European Parliament and of the council.

Section 9 - Standards

ALKAMAXX coated ethics approved.

Section 10 - Declaration of Performance

System/s of AVCP: 2+

European Assessment Document: EAD 260057-00-0303 Inorganic fibre grid for reinforcement of cement-, anhydrite- or resin-based screed

European Technical Assessment: ETA 23/0189 (22. 03. 2023) FPC No.: 1020-CPR-060049244

Technical Assessment Body: TZUS - TECHNICKY A ZKUSEBNI USTAV STAVEBNI PRAHA s.p.

Notified body/ies: NB 1020

Essential characteristics		Method	Unit	Performance		
				Average	Min. tolerance	Max. tolerance
SAFETY IN CASE OF FIRE						
Reaction to fire		EAD 260057-00-0303, Cl. 2.2.1	class	NPA	-	-
Average organic content	Organic content	EAD 260057-00-0303, Cl. 2.2.2	% (625°C)	20	(-)4%	(+)4%
	Ash content		% (625°C)	80	(-)4%	(+)4%
Gross heat of combustion	Heat combustion	EAD 260057-00-0303, Cl. 2.2.3	QPCS [MJ/kg]	6,49	-	-
	Heat combustion		QPCS [MJ/m2]	0,96	-	-
HYGIENE, HEALTH AND THE ENVIRONMENT						
Content, emission and/or release of dangerous substances	Leachable substances	EAD 260057-00-0303, Cl. 2.2.4	NPA			
	Content of cadmium					

Essential characteristics		Method	Unit	Performance		
				Average	Min. tolerance	Max. tolerance
SAFETY AND ACCESSIBILITY IN USE						
Mesh size	Average mesh size (MD/CMD)	EAD 260057-00-0303, Cl. 2.2.5	mm	39,5 x 40,0	(-)-2	(+)-2
	Average mesh opening (MD/CMD)		mm	36,5 × 37,8	(-)-2	(+)-2
Weaving accuracy		EAD 260057-00-0303, Cl. 2.2.6	No singularities or defects			
Tensile strength and elongation	Average tensile strength (MD/CMD)	EAD 260057-00-0303, Cl. 2.2.7	kN/m N/50 mm	50/35 2500/1750	-	-
	Elongation (MD/CMD)		%	≤ 3,5 / ≤ 3,5	-	-
Tensile strength and elongation after ageing	Average tensile strength after alkali ageing (MD/CMD)		kN/m N/50 mm	35/31 1750/1550 (≥50%/≥50%)	-	-
	Average tensile strength after acid ageing (MD/CMD)		kN/m N/50 mm	50/35 2500/1750 (≥50%/≥50%)	-	-
	Elongation (MD/CMD)		%	≤ 3,5 / ≤ 3,5	-	-
Mass per unit area		EAD 260057-00-0303, Cl. 2.2.8	g/m2	145	(-)-5%	(+)-5%
Thickness		EAD 260057-00-0303, Cl. 2.2.9	mm	1,31	(-)-0,07	(+)-0,07

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