Technical Information
WOLFIN® IB

WOLFIN IB is a single ply, high-polymer, entirely homogeneous synthetic roofing and waterproofing membrane (no different top, middle and under layer). The membrane is produced by extrusion method.

WOLIN IB is certified, approved and classified according to:

- EN 13956 CE-Waterproofing of Roofs
- EN 13967 CE-Waterproofing of Buildings
- Fulfills all German requirements (DIN standards) for waterproofing of roofs and buildings
- Fulfills UK requirements according BBA (certificate 14/5143)
- EN 13 501-1 (Class E)
- EN 13948 / FLL

Characteristics of WOLFIN IB:

- Content of high polymer substances more than 94%
- More than 50 years long-term and practical experiences
- Permeable to water vapour diffusion
- My-value ≤ 10.000 (+/- 3.000)
- Dry-out process of moisturized roof structures is proven by the Fraunhofer Institut Holzkirchen
- Free of toxic heavy metals
- Free of flameproofing agents
- Ozon- and UV-resitant
- Lifelong suited for hot-air and solvent welding
- Unique chemical resistance:
  - Resistant to bitumen, flux oils, mineral oils, fatty acid, kerosene
  - Proof of the resistance to sulfurous acid and lactic acid (85%)
- Chemical resistance to all insulation material
- Resistant to plant roots and rhizome according to
- FLL-test method

Types and application areas:

WOLFIN IB:	Single-ply, homogenous membrane
Membrane width:	1.100 mm / 1.620 mm
Nominal thickness:	1.5 mm / 2.0 mm
New building and refurbishment:	1) Loose laid under ballast 2) WOLFIN / PYE-composite systems
Colour:	Black / grey

System parts and accessories:

- Self-adhesive membrane strips
- Internal and External Corners
- Coated Metal Sheets (Plates/Coils)
- Lightning protection and fastening elements
- Stainless steel drainage and ventilation elements
- System adhesives (Teroson AD 914, Teroson AD Adhesive Spray)

Product information according EN 13956 and EN 13967

- Membrane strips
- Internal and external Corners
- Coated Metal Sheets (Plates / Coils)
- Lightning protection elements
- Stainless steel drainage and ventilation elements
- System adhesives (Teroson AD 914, Teroson AD Adhesive Spray)

This Technical data sheet was produced according to the latest technical knowledge and standards of Wolfin Bautechnik. Technical changes due to further developments are possible.

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Characteristic	Testing standard	Unity	Details	Results* 2.3 mm	Results* 2.8 mm
Visible defects	EN 1850-2	-	passed	passed	
Length	EN 1848-2	m	MDV	15	10
Width		m	MDV	1.1/1.62	
Straightness		mm	MLV	≤50	
Flatness		mm	MLV	≤10	
Mass per unit area	EN 1849-2	kg/m²	MDV	1.9	2.5
Effective thickness		mm	MDV	1.5	2.0
Water tightness	EN 1928 B	kPa	MLV	≥400	
Reaction to fire	EN 13501-1	-	s. 5.2.5.2	Class E	
Joint peel resistance	EN 12316-2	N/50 mm	MLV	≥150	
Joint shear resistance	EN 12317-2	N/50 mm	MLV	≥600	
Tensile strength	EN 12311-2	N/mm²	MLV	≥ 16	
Elongation		%	MLV	≥ 300	
Resistance to impact Method A Method B	EN 12691 EN 12691	mm mm	MLV MLV	≥600 ≥600	≥750 ≥750
Resistance to static load	EN 12730 Method B	kg	MLV	≥20	
Durability of water tightness against aging (72d/400kPa)	EN 1296 EN 1928	–	passed	passed	
Durability of water tightness against chemicals	EN 1847 EN 1928	–	passed	passed	
Nail tear resistance	EN 12310-1	N	MLV	≥ 250	
Tear resistance	EN 12310-2	N	MLV	≥ 100	
Resistance to root penetration	EN 13948	-	passed	passed	
Dimensional stability	EN 1107-2	%	MLV	≤1.5	
Foldability at low temp.	EN 495-5	°C	MLV	≤-25	
UV exposure	EN 1297	visual	passed	passed	
Hail resistance	EN 13583	m/s	MLV	≥ 25	
Water vapour permeability	EN 1931	-	μ = MDV or 15.000	10.000±3.000	
Bitumen compatibility (90d/70 °C)	EN 1548	-	passed	passed	

Explanation: MDV = Manufacturer's declared value
MLV = Manufacturer's limiting value
* Values in new conditions

You can find the declarations of performance on the website www.wolfin.com/downloads

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