

## ExtruBit<sup>®</sup> D ECB

**ECB (Ethylene Copolymer Bitumen ) ,**

**High Ageing Resistant ,Signal Foiled  
Waterproofing Geomembrane for  
Foundations.**



### **Product Description :**

**ExtruBit<sup>®</sup>** , Waterproofing geomembrane based on ECB ( Ethylen Copolymer Bitumen ) for single ply application.

**Suitable with DIN 16729 norms.**

### **Product Designation :**

- Mat foundation applications.
- Wall applications.
- Terrace roof application.
- Pond ,pool and dam applications.
- Underground garage structures.
- Water storage tanks.

### **Benefits :**

- Environmentally friendly (PVC, plasticizer and chlorine free ; no toxic gas during application )  
Suitable for **LEED** criteria.
- Application possibility in all weather conditions.
- XPS , EPS and Bitumen compatible , no need for separation layers.
- High tensile , tear and puncture resistance.
- FLL certificated, Resistant to all kind of soil and root effects.
- Highly resistant to ageing , does not lose any properties by time.
- Double welded seam application with pressure test.
- Resistant to Sparks.
- Resistant to Sea Water
- Resistant to UV radiation and Ozone , highly resistant to various chemicals , acid/alkali solutions , oils , microorganisms , mold and mildew growth.

# Product Data According to EN 13956

EXTRUBIT <sup>®</sup> ECB 2,0 mm		TEST METHOD	UNIT	RESULTS
5.2.1	VISIBLE DEFECTS	DIN EN 1850-2	-	FREE OF VISIBLE DEFECTS
5.2.2	LENGTH	DIN EN 1848 - 2	m	15,00 / 20,00 -0% / +5%
5.2.2	WIDTH	DIN EN 1848 - 2	m	0,205/0,33/0,52/1,05/1,5/2,00 - 0,5% + 1,0%
5.2.2	MASS PER UNIT AREA	DIN EN 1849 - 2	Kg/m <sup>2</sup>	2,00 -5% +10%
5.2.2	EFFECTIVE THICKNESS ( e <sub>ff</sub> )	DIN EN 1849 - 2	mm	2,00 - 5% + 10%
5.2.3	WATERTIGHTNESS ( Metod B )	DIN EN 1928 (600 kPa/24 h)	-	TIGHT
5.2.7.2	JOINT SHEAR RESISTANCE	DIN EN 12317 - 2	N/50 mm	LONGITUDINAL ≥ 500 TRANSVERSE ≥ 500
5.2.8	WATER VAPOUR PROPERTIES ( μ )	DIN EN 1931	-	90.000
5.2.9	TENSILE STRENGTH	DIN EN 12311 - 2	N/mm <sup>2</sup>	LONGITUDINAL ≥ 10,0 TRANSVERSE ≥ 8,5
5.2.9	ELOGNATION AT BREAK	DIN EN 12311 - 2	%	LONGITUDINAL ≥ 500 TRANSVERSE ≥ 600
5.2.10	RESISTANCE TO IMPACT ( Metod A+B )	DIN EN 12691	mm	≥ 900
5.2.11	RESISTANCE TO STATIC LOAD ( Metod B )	DIN EN - 12730	Kg	≥ 20
5.2.12	TEAR RESISTANCE	DIN EN 12310 - 2	N	LONGITUDINAL ≥ 300 TRANSVERSE ≥ 200
5.2.13	RESISTANCE TO ROOT PENETRATION	DIN EN 13948	-	TESTED ACCORDING TO FLL
5.8.2	RESISTANCE TO ALKALI	DIN EN 1847 DIN EN 1928	-	FULFILLED
5.2.15	FOLDABILITY AT LOW TEMPRATURE	DIN EN 495 - 5	°C	≤ - 30
5.2.14	DIMENSIONAL STABILITY	DIN EN 1107-2	%	≤ 1,5
5.2.16	UV EXPOSURE	DIN EN 1297	-	FULFILLED
5.2.18	EXPOSURE TO CONTACT WITH BITUMEN	DIN EN 1548	-	FULFILLED