

## PRODUCT DATA SHEET

## SikaShield® W162 ED IN 1,5 mm

Wet Applied Polymer Modified Bituminous Waterproofing Membrane (Double Side Release Liner)

## DESCRIPTION

SikaShield® W162 ED IN 1,5 mm is an adhesive bituminous waterproofing membrane wet applied to the concrete surface by the adhesive mortar SikaShield® W1 IN. It has a thickness of 1.5 mm and is flexible upto -25 °C. The top and bottom surface has a siliconised release liner with a sandwiched bituminous matrix of self adhesive compound and reinforced with composite reinforcement giving high mechanical properties to the membrane and allowing easy installation.

## USES

The Product is used as a waterproofing membrane for:

- Basements and other below ground structures
- Podiums ,Terraces,etc
- Vertical reinforced concrete retaining walls
- Single and strip foundations

Note: The Product should not be exposed to UV radiation preferably beyond 7 days and if done should needs to be protected with screed, etc

## CHARACTERISTICS / ADVANTAGES

- Can be applied on wet concrete reducing project lead time
- No-torch application allows for safe installation in confined spaces
- Fully bonded system ensures reliable waterproofing
- Watertight against lateral water migration
- Fast and easy installation
- Flame-free application
- Requires minimal surface preparation
- High impact resistance

## PRODUCT INFORMATION

Chemical base	Polymer modified bitumen		
Construction	Top surface	Siliconised Release Liner	
	Bottom surface	Siliconised Release Liner	
	Central Core	Modified Bitumen Layers with Composite Mat	
	* 5 Layer System		
	Reinforcing material	Composite reinforcement	
Packaging	Roll width	1.0 m	(EN 1848-1)
	Roll length	20.0 m,10.0 m	
	Refer to the current price list for available packaging variations		

Colour	Top surface	Greyish White
	Bottom surface	Greyish White
Shelf life	12 months from date of production	
Storage conditions	The Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	
Overall thickness	1.5 mm ± 0.15 mm	(EN 1849-1)
Mass per unit area	2.0 ± 5% kg/sqm	

## TECHNICAL INFORMATION

Resistance to impact	Pass	(EN 12691)	
Resistance to static puncture	> 250 N	(ASTM E154)	
Tensile strength	≥ 11 kN/m	(ASTM D5147)	
Elongation	≥ 45 % (at break)	(ASTM D5147)	
Tear strength	Longitudinal	≥ 350 N	(ASTM D5147)
	Transverse	≥ 250 N	
Joint shear resistance	≥ 500 N/5cm	(EN 12317-1)	
Foldability at low temperature	(At -25° C)	Pass,No cracks observed	(EN 1109)
Permeability to liquid water	Water Absorption (%)	≤ 0.5	(ASTM D5147)
Resistance to water penetration	No Leakage	(ASTM D 5385)	
Ambient air temperature	+10 °C min. / +40 °C max		
Relative air humidity	Upto 80 %		
Substrate temperature	+10 °C min. / +40 °C max		

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## USES

Not to be kept exposed for long duration or permanently without protection

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY SYSTEM DESIGN

Consider the following when designing the system:

- The supporting structure must be of sufficient structural strength to support all new and existing layers of the system build-up.
- If used as a roof system, the complete system must be designed to withstand and be secured against wind uplift loadings.

### SUBSTRATE CONDITION

The membrane is applied directly onto the adhesive SikaShield® W1 IN mortar after releasing the bottom liner (on the Sika sticker side). Refer to the PDS of SikaShield® W1 IN for further information

### APPLICATION IMPORTANT

#### Unrolling at low temperatures

- At very low temperatures, the membrane becomes less flexible.
- Be careful when unrolling to avoid damaging the membrane.

### IMPORTANT

Damage through footwear

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