

PRODUCT SPECIFICATIONS

High performance Self-adhesive Bitumen Waterproof Membrane

Founded by

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1974

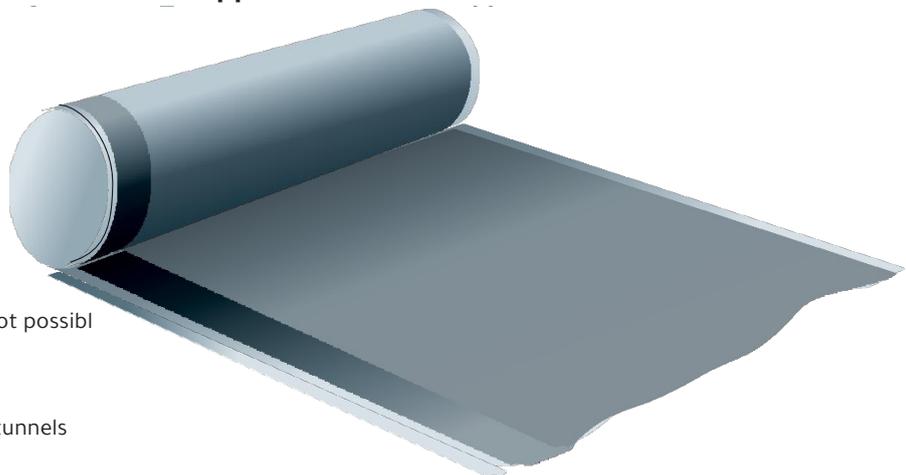
INSUSELF

A high performance cold applied waterproof membrane suitable for internal and external tanking of underground structures in all directions applications.

Recommended Applications

- Waterproofing in general, where the use of fire/ flame is not possible
- Waterproofing structural concrete and masonry walls
- Waterproofing and protection of underground structures
- Waterproofing membrane for inverted roofing systems
- Waterproofing of balconies, bathrooms, swimming pools, tunnels

Storage: Sheet rolls shall be stored vertically in a dry place protected from sun and weather. Rolls shall be placed on clean floors or platforms in such a way as to prevent damage to ends and soiling with foreign matters. NB: I. The above products data is subject to technical updating without prior notice due to technological research **development pursued by INSUMAT.**



SBS high performance self-adhesive elastomeric bitumen waterproof membrane

-25 °C

Specifications		Units	Results*	Method of Test
INSUSELF series				
Thickness		kg/m ²	2 & 2.5 (±0.2)	ASTM D-5147
Length		m	10 (±1%)	UNI 8202
Width		m	1 (±1%)	UNI 8202
Tensile strength	Longitudinal	N/5cm	250	EN 12311-1
	Transverse	N/5cm	250	EN 12311-1
Elongation	Longitudinal	%	800	EN 12311-1
	Transverse	%	600	EN 12311-1
Tear resistance	Longitudinal	N	80	EN 12310-1
	Transverse	N	70	EN 12310-1
Low temperature flexibility		°C	-25 °C	ASTM D-5147
High temperature stability		°C	70	ASTM D-5147
Water absorption of film		%	0.15	ASTM D-570
Vapour transmission rate		μ	9000	EN 1931
Adhesion to self		N	2.2	ASTM D1000
Adhesion to concrete		N	2	ASTM D1000
Joint strength: shear resistance		N	200	UNE-EN 12317-1
Static puncture resistance			PS4	UNI 8202
Dynamic puncture resistance			PD4	UNI 8202

Quality Statement:

- The declared average values represent the best performance achieved at the present state of our knowledge, Insumat reserves the right to change, without warning, the technical characteristics in order to make the product more responding to the application requirements. The choice of the type of membrane for the kind of use is at the client's discretion.
 - All information/ values listed in this technical data sheet may supersede relevant information / values listed in equivalent product(s) technical data sheet or submittal.
 - *Tolerances for the above as per the latest product testing, results may vary +/- 20%
1. Exact Value depends on thickness of the product/reinforcement, please ask Insumat's representative for the latest tests results.
 2. Actual measured data may vary due to circumstances beyond Insumat's control.
 3. All products manufactured by Insumat Egypt, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, standard.

INSUSELF SBS-modified bitumen self-adhesive carrier less, flexible, waterproofing and sealing membrane with an easy-removable protective film. INSUSELF serves dual purpose. It acts as reinforcement as well as furnishes extra protection. It has the following features:

- Cold applied, no heating required
- Easy, swift and clean to install
- Permanent flexibility and safeguard against water
- Effective barrier for both water and vapor
- Absorbs substrate movement
- Self-adhesive with excellent adhesion properties
- High tensile strength
- Good low temperature performance
- Cross laminated HDPE film adds dimensional stability
- Outstanding elongation which prevents damage due to substrate movements
- Root resistant and flexible which makes detailing around edges easy
- Self-adhesive layer forms a vapour barrier when in contact with cement slurry
- High durability of the waterproofing due to the SBS elastomer compound of the membrane
- High chemical, oxidation & microbiological resistance