



STRONG GOLD

Double reinforced high performance waterproofing membrane



ISO 9001

Description:

STRONG GOLD is high performance roofing membrane especially formulated and prefabricated waterproofing membrane composed of selected distilled bitumen modified with top quality polypropylene resins (APP), **STRONG GOLD** is reinforced by two carrier mats 200g/m² non woven polyester and 80 g/m² fiberglass.

STRONG GOLD has excellent mechanical character which make the membrane absorbs all abnormal stresses transferred by the structure to the membrane also helps against transportation and bad handling shock.

Features:

- Resistant to ageing
- Stable at high temperature
- Strong adhesion
- Chemically stable
- resistant to tear and puncture
- Root proof
- Resistant to organic salt solutions, dilute acids, alkalis, sulfate and chloride
- flexible at low temperature
- compatible with most roofing product
- flashing made on the spot by using same membrane
- easy to apply
- Resistant to UV

Uses:

Waterproofing for; Roofs, Retaining walls, Terraces, underground foundation, basement, tunnel, Dam, and bridge .

Application Instruction:

- Surfaces onto which the membrane is to be applied must be sound, clean and dry. Dust, loose material and protrusions must be removed and cracks, holes etc made good.
- **Priming:** Apply one coat of AIWIN PRIMER to all surfaces and allow it to dry.
- **Membrane Application:** Position the rolls carefully with the correct orientation before the torching operation begin. Heat the lower surface of the rolls with a propane gas torch and unroll as the bitumen begins to melt. Maintain minimum 10cm side laps and 10cm end laps between rolls, staggering the joints where possible. All seams must be heat sealed from the top to ensure watertight laps.
- **The membrane may be loosely laid partially or fully bonded, depending on the Structure and specifications**

Storage and material Handling :

The rolls should always be stored vertically in shaded area .normally the plates should not be stacked one over the other however ,if a wooden board is used in between ,two pallets may be stacked one over the other .

Health & Safety :

- Roofing torches have been successfully used for many years how ever since an open flame is present, fire extinguishers should be available in the site .
- labor should wear personal protective tools such as gloves and goggles during application .

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Technical Specifications

CHARACTERISTICS	STANDARDS	VALUES
ROLL DIMENSION	UNI 8202/3	1X10±1%
SURFACING		(Talc +burn-off film) or colored slates
REINFORCMENT	200g/m2 of polyster +80 g/m2 fiberglass	
THICKNESS -	BS747 ASTM D5147	4,5,6 mm
MEMBRANE WEIGHT	UNI 8202/7	4,5,6 Kg/m ²
STATIC PUNCHING STRENGHT	UNI 8202/11	not perforated at>25 Kg(class L4)
PENTERATION at 25 °C,dmm	ASTM-D5	20 ±5
SOFETING POINT, °C	ASTM-D36C	150 ±10
COLD FLEXIBILTY	UNI 8202/15	-7 C
TENSILE STRENGTH(L)	UN 8202/8,D5147, D5146	1050 N/5 cm
TENSILE STRENGTH(T)	UN 8202/8	1000N/5 cm
ELONGATION (L)	UN 8202/8 ASTM-D146	50%
ELOGNATION (T)	UN 8202/8	55%
TEAR STRENGTH (L)	UN 8202/9	200 N
TEAR STRENGTH(T)	UN 8202/9	196N
HYDROSTATIC RESISTANCE		Watertight after 24 hrs under 6m of water
WATER ABSORBTION	UN 8202/21 , ASTM-D6222	Less than 1%
WATER VAPOR PERMABILITY	ASTM-E 96	Absolutely impermeable
DIMENSION STABILTY	UN 8202/17	Stable at 100 °C
FLOW RESISTANCE IN VERTICAL AT 90 C-	UN 8202/16	≤0.5 mm
AGEING	ASTM-G53	No signs of deterioration
CHEMICAL RESISTANCE		Membranes are resistance to chloride,sulphate and phosphate found in ground water



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AIWIN

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