



POLY GOLD

App Modified Bitumen Membrane



ISO 9001

Description :

POLY GOLD is high performance prefabricated waterproofing membrane with extended cold flexibility reinforced with spunbond polyester . **POLY GOLD** membrane can resist temperature of -20°C .the membrane is easily applicable at temperature below zero .

POLY GOLD is especially rich formulated from selected high quality resin (APP) and thermoplastic and elastic plastic copolymer along with the outstanding isotropic strength of its reinforcement.

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, alkalies, 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, reservoirs, basins, canals, tunnel, dam, bridge and wet areas.

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.

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	STANDARD	VALUES
ROLL DIMENSION	UNI 8202/3	1x10m ± 1%
SURFACING		(Talc+burn-off film) or colored slates
REINFORCEMENT		200g/m ² Polyester
THICKNESS	BS747 ASTM D5147	3,4,5 mm
MEMBRANE WEIGHT	UNI 8202/7	3,4,5 Kg/m ²
STATIC PUNCHING STRENGTH	UNI 8202/11	Not perforated at >25 Kg Class L4
PENETRATION at 25°C, dmm	ASTM-D5	20 ±5
SOFTENING POINT, °C	ASTM-D36C	150 ±5
COLD FLEXIBILITY	UNI 8202/15	-12°C
TENSILE STRENGTH(L)	UN 8202/8,D5147, D5146	900 N/5 cm
TENSILE STRENGTH(T)	UN 8202/8	800 N/5 cm
ELONGATION (L)	UN 8202/8 ASTM-D146	45%
ELONGATION (T)	UN 8202/8	50%
TEAR STRENGTH (L)	UN 8202/9	360 N
TEAR STRENGTH(T)	UN 8202/9	300 N
HYDROSTATIC RESISTANCE		Watertight after 24 hrs under 6m of water
WATER ABSORPTION	UN 8202/21 ASTM-D6222	Less than 1%
WATER VAPOR PERMEABILITY	ASTM-E 96	Absolutely impermeable
DIMENSION STABILITY	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 salts, sulphate and phosphate found in ground water

This product data sheet supersedes all previous data publication pertaining to this product

All values given refer to standard production within the usual factory tolerance

AIWIN reserves the right to change said values without advance notice but without affecting the quality of the product