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İZOFALT GARDEN EP 4000 TECHNICAL SPECIFICATIONS

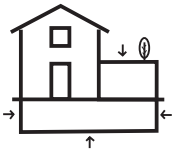
IT IS A WATERPROOFING MEMBRANE MADE FROM SBS POLYMER MODIFIED BITUMEN WITH A POLYESTER FELT CARRIER

DESCRIPTION FOR IT

İzofalt GARDEN EP 4000 is produced from bitumen with a polyester felt carrier and SBS (styrene-butadiene-styrene) additive, with PE upper and lower surfaces.

AREAS OF USE

It is applied to provide water and moisture insulation in underground parking lots and green roof terraces, terrace roofs of buildings, sloping concrete roofs, and foundation retaining walls. It is also used in the insulation of pressurized and nonpressurized groundwater or surface water, and in waterproofing wet areas such as bathrooms, kitchens, and balconies before coatings. Designed for cold climates, it is applied as a base and middle layer in waterproofing.



ADVANTAGES

Superior performance in moderately cold and hot climates.

SURFACE PREPARATION

The surface to be coated must be clean and dry, free from oil, dirt, rust, silicone, and dust. The surface must be free of sharp protrusions and loose aggregates and primed with izofalt membrane primer.

APPLICATION METHOD

Depending on the horizontal surface, the application is done from the lowest to the highest elevation, and on vertical surfaces from top to bottom, by heating with a blowtorch flame. The short side joint should be 15 cm, and the long side joint should be 10 cm for every 1 meter. A stagger of 50 cm on the short side and 5 meters on the long side should be applied between layers.

STORAGE SHELF LIFE

The membrane rolls must be transported and stored in an upright position. Necessary precautions must be taken to prevent the rolls from tipping over during transport. Our product should be stored in covered warehouses with level floors. Care should be taken to prevent the rolls from receiving hard impacts during loading, unloading, or transport. It should be stored in its original packaging, in a dry environment, away from direct sunlight, at temperatures between +5°C and +25°C.

TOOLS USED

Blowtorch, trowel, mechanical wheel, spatula, gloves.

STANDARDS

TS EN - 13707 / TS EN - 13969

TECHNICAL SPECIFICATIONS

FEATURES	UNIT	STANDARD	İZOFALT GARDEN EP 4000
CARRIER	gr		Polyester Felt 180
LOWER/UPPER COATING		TS EN - 13707	PE FİLM/PE FİLM
THICKNESS	mm	TS EN - 1849-1	4 mm ±%0,2
WEIGHT	kg/m	TS EN - 1849-1	4,6-4,8
WATER IMPERMEABILITY		TS EN - 1928	Compatible
HEAT RESISTANCE	°C	TS EN - 1110	min.100
COLD FLEXIBILITY	°C	TS EN - 1109	-20
TENSILE STRENGTH (LENGTH)	N/5cm	TS EN - 12311-1	800
TENSILE STRENGTH (WIDTH	N/5cm	TS EN - 12311-1	600
ELONGATION AT BREAK (LENGTH)	%	TS EN - 12311-1	35
ELONGATION AT BREAK (WIDTH)	%	TS EN - 12311-1	35
ROLL SIZE	m	TS EN - 1848-1	1X10

WARNINGS AND RECOMMENDATIONS

There must be no water, moisture, ice or snow on the surface to be applied. The torch flame must be held evenly over the membrane; excessive heating can burn the carrier reinforcement (glass mat or polyester felt). When the rolls are unrolled, the thin nylon film on the front surface must melt and provide adhesion. Application must always be done perpendicular to the water flow direction / on the vertical slope, from bottom to top (according to level/slope).

SAFETY WARNINGS

1. Fire Safety
Fire Extinguisher: Always keep a full and working fire extinguisher in the work area.
Flammable Materials: Remove flammable materials such as thinner, solvent, plastic or wood from the application area.
Torch Control: Never leave the torch flame unattended or burning.
Gas Leak: Regularly check LPG cylinder and hose connections with soapy water for leaks.
2. Personal Protective Equipment
Clothing: Wear heat and molten bitumen resistant, cotton, long-sleeved work clothes. Synthetic fabrics can melt and stick to skin.
Gloves: Use heat resistant, thick leather or special protective work gloves.
Footwear: Prefer steel-toed work shoes with non-melting soles.
Eye and Face Protection: Wear protective goggles or face shield against splashes and intense light.
3. Working at Height and Environmental Safety
Fall Protection: Wear full-body safety harness and attach to lifeline when working on roof and terrace edges.
Railings: Ensure safe barriers or railing systems are installed at edges.
Weather Conditions: Do not apply on roof in extremely windy, rainy or icy weather.
Voids: Be extra careful of fall risk when working around chimney bases and ventilation shafts .
4. Health and Environmental Conditions
Ventilation: Ensure very good ventilation of the environment when applying primer and membrane in closed areas (basement, warehouse, etc.)
Toxic Gases: Try not to inhale smoke directly when bitumen melts, use a mask if necessary.
First Aid: In case of possible burns, immediately apply cold water to the burned area and seek medical help without applying any chemicals.

LEGAL DISCLAIMER

İZOFALT Insulation Construction Textile Ind. And Trade Ltd. Co. İs not responsible for application errors that may occur if the product is used for purposes other than intended or if the above conditions are not complied with.