izofalt yalıtım

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PLASSER DRAINAGE SHEET TECHNICAL SPECIFICATIONS

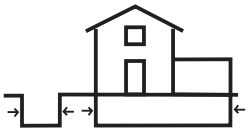
SHEET MANUFACTURED FOR WATERPROOFING AND DRAINAGE

DESCRIPTION FOR IT

Plasser drainage sheet is a diagonally textured sheet made of high-density polyethylene (HDPE) used for waterproofing and drainage purposes in basements and foundation retaining walls.

AREAS OF USE

It is used in areas of buildings that need protection from water and the pressure it creates, such as basements, retaining walls, floors, parking lots, and roof terraces.



ADVANTAGES

In waterproofing systems, it is beneficial to remove water from the system after the building elements have been made waterproof by applying waterproofing membranes or liquid waterproofing membranes. It is much more economical than methods such as wall construction or polystyrene foam bonding to protect the waterproofing. It protects the structure from plant roots and chemicals. It protects the structure and insulation by reducing the pressure from the filling material. Thanks to its bubbles, it creates an air gap between the ground and the structure, allowing the structure to breathe and enabling the drainage of water accumulating around the structure to the desired location.

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.

STORAGE SHELF LIFE

Must be transported and stored in an upright position. Necessary precautions should be taken to prevent membrane rolls from tipping over during transport. Our product should be stored in covered warehouses with flat 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

Mounting knob, pin, pressure profile.

STANDARD

TSE K 84

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	PLS-40	PLS-50	PLS-60
MATERIAL	High-density polyethylene (HDPE)	High-density polyethylene (HDPE)	High-density polyethylene (HDPE)
COLOUR	BLACK	BLACK	BLACK
WEIGHT	400 gr/m²	500 gr/m²	600 gr/m²
THICKNESS	0,4 mm	0,5 mm	0,6 mm
LENGTH	20 m	20 m	20 m
WIDTH	2 m	2 m	2 m
BUBBLE DEPTH	7,5 - 8 mm	7,5 - 8 mm	7,5 - 8 mm
NUMBER OF BUBBLES	1850 units/m²	1850 units/m²	1850 units/m²
STRAIGHT EDGE WIDTH	50 mm	50 mm	50 mm
COMPRESSIVE STRENGTH	≥ 180 kN/m²	≥ 230 kN/m²	≥ 320 kN/m²
FRACTURE ELONGATION	% 37	% 45	% 48
TENSILE STRENGTH	5,3 kN/m	6,0 kN/m	8,64 kN/m
THERMAL RESISTANCE	-30 /+ 80 °C	-30 /+ 80 °C	-30 /+ 80 °C

WARNINGS AND RECOMMENDATIONS

Check the waterproofing

The drainage board alone does not provide waterproofing. Ensure that the underlying waterproofing layer is completely dry and undamaged. Clean the surface: Remove any sharp protrusions, mortar residue, and stones from the curtain wall surface where the application will be made. Prevent puncturing the board.

Placement and Orientation Rules

Choose the correct bubble direction: Bubbles (large circular protrusions) should always face the curtain wall/waterproofing. The flat surface should face the ground. Observe overlap allowances: Overlap the boards by at least 10-20 cm (ideally 4-5 bubble lengths) at the joints. Secure the joints: To prevent leakage and slippage, seal the joints with double-sided bitumen tape.

Fixing and Installation Precautions

Do not puncture the waterproofing: Secure the board above the level where the waterproofing membrane ends (above ground level). Use mounting buttons and nails in areas other than insulation. Use a pressure strip: Always use a drainage profile (pressure strip) to protect the top finishing point of the panel. This strip prevents dirt and stones from entering behind the panel during backfilling.

Precautions During Backfilling

Pay attention to excavation: Ensure that the buckets of construction machinery do not hit the panel during backfilling. Choose the right backfill material: The first backfill layer on top of the panel should not contain large rocks or sharp stones. Use clean soil or rounded gravel.

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.