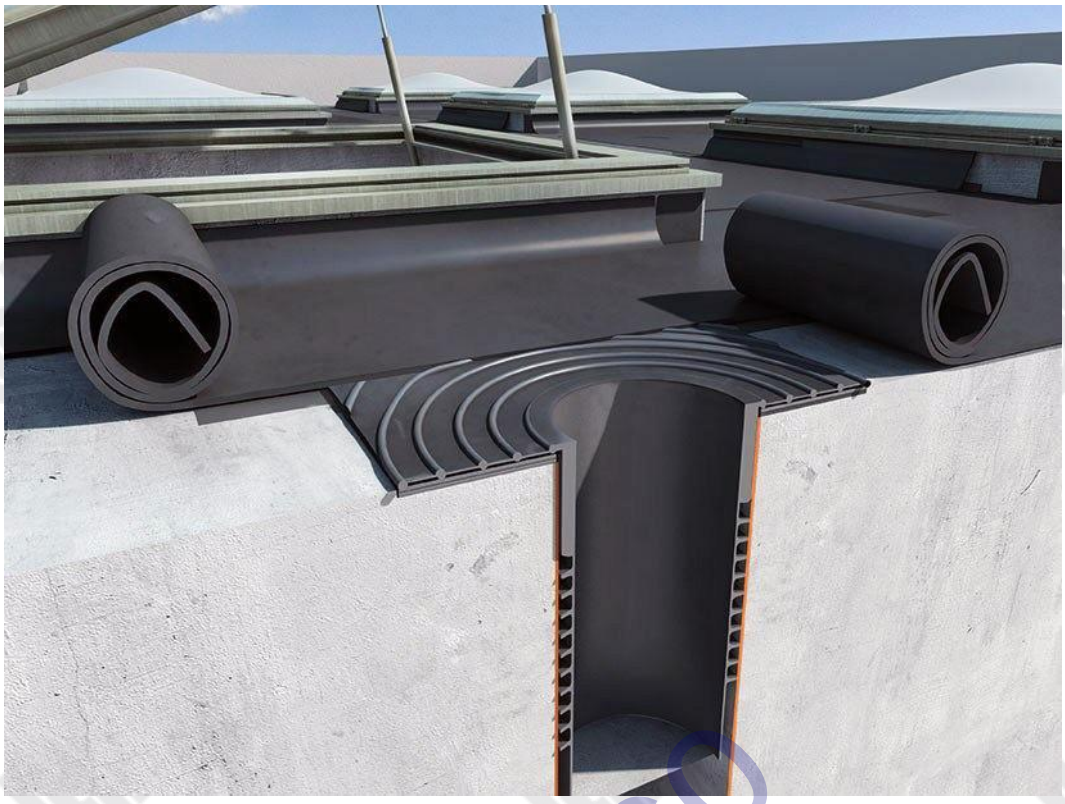

Plastobit is a fibreglass-reinforced waterproofing membrane made of bitumen modified with APP (atactic polypropylene), coated with PE (polyethylene) film on the lower and upper surfaces and applied with an oxyacetylene burner. We, BTM, may produce 11 types of the Plastobit membrane with different properties.

Places of Use

Used to obtain water and moisture impermeability on:

- terrace roofs of buildings,
- sloping concrete roofs,
- curtain walls, foundations.
- Designed for moderate climates and used as lower and middle layer membrane in waterproofing.
- Plastobit is only used in a single layer for insulation purposes against moisture in such wet spaces as bathrroms and kitchens and in foundations where there is no pressurised ground and surface water. Other than this, it is not used in a single layer.

Surface Preparation

Surface on which application shall be carried out must be cleaned of any dust, dirt, rust and grease and any loose parts scraped. BITUSOL or BITUMER undercoat must be apllied to the surface and allowed to dry up depending on the surface where necessary.

Mode of Application

If the surface to be insulated is concrete, then it must have been finished with sloping grout burnished using a wooden trowel and be clean and dry. Before the application of the membrane, the surface must have been spread with bituminous solution undercoat BITUSOL (TS 103) or bituminous emulsion undercoat BITUMER (TS 113) and allowed to dry up. Membranes start to be applied in a direction perpendicular to the slope at the lowest part of the roof (lowest elevation). The membrane is heated up with oxyacetylene burner flame and then adhered to the surface. The rows must must be laid with some shift sideways. Membranes must be overlapped 15cm on the short sides and 10cm on the long ones, and the seams must be well adhered. Between the layers, there must be a shift sideways for 50cm on the short side and 5m on the long one.

Storage Conditions and Shelf Life

Rolls must be vertically stored in roofed-over spaces. If the rolls have to be stored outdoors for a long period of time, then they must be covered with a protective layer in order to protect them against the sunlight. If the rolls are to be stowed without pallets, they they are not stacked one on top of another. In palletised stowage, two rows may be stacked one on top of the other.

Packaging

Plastobit is launched into the market in rolls 1m wide and 10m long.

PRODUCT DATA SHEET

PLASTOBİT CP 2000

TS EN 13707- TS EN 13969

Document number :PDS-028-02
Publication Date :05th,Jan.2009 Revision date : 02th.Nov.2016

PRODUCT DESCRIPTION	Plastomeric modified bituminous waterproofing membrane.
USAGE	Used as underlay and intermediate layer to waterproof terraces and roofs. It can also be used for damp proofing of undergrounds, basements and walls. (Type A)
APPLICATION METHOD	Torched. Please refer to application booklet.
TOP SURFACE	Polyethylene Film
BOTTOM SURFACE	Polyethylene Film
COATING TYPE	Fiberglass
STORAGE	Rolls to be stored upright and away from heat.
ECOLOGICAL DATA	Can be used in natural atmosphere

TEST	METHOD	UNIT	TOLERANCE	VALUES
Visible defects	TS EN 1850-1	-	-	NONE
Length	TS EN 1848-1	m	-0,03	15
Width	TS EN 1848-1	m	-0,02	1
Straightness	TS EN 1848-1	-	-	PASS
Thickness	TS EN 1849-1	mm	±0,2	2
Watertightness	TS EN 1928 (method A 10kPa)	-	-	PASS
Reaction to fire	TS EN 13501-1	class	-	E
Shear resistance of joint	TS EN 12317-1	N/50mm	-	NPD
Water vapour transmission properties	TS EN 1931	-	min.	20.000
Tensile Strength (Longitudinal)	TS EN 12311-1	N/50mm	-%10 ; '+%50	400
Elongation at break (Longitudinal)	TS EN 12311-1	%	(-0 ; +2)	2
Tensile Strength (Transverse)	TS EN 12311-1	N/50mm	-%10 ; '+%50	300
Elongation at break (Transverse)	TS EN 12311-1	%	(-0 ; +2)	2
Resistance to İmpact	TS EN 12691 (method A)	mm	min.	NPD
Resistance to static loading	TS EN 12730 (method B)	kg	min.	NPD
Resistance to tearing (Longitudinal)	TS EN 12310-1	N	±30%	100
Flexibility at low temperature	TS EN 1109 (top surface)	°C	min.	-10
	TS EN 1109 (bottom surface)	°C	min.	-10
Flow resistance at elevated temperature(<2mm)	TS EN 1110	°C	min.	120
Dangerous substances	-	-	-	NONE

NPD = (No performance defined)

* For information and advice on the safe handling,storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

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