



DESCRIPTION

SABIT PLASTO-SPP is the ultimate waterproofing membrane. The multilayered design consists of non-woven polyester core, impregnated and coated on both sides with APP (Atactic Polypropylene Polymer) modified bitumen and finally finished with heat fusible polyethylene film on both surfaces. SABIT PLASTO-SPP modified bituminous waterproofing membranes are produced from a blend of special grade thermoplastic polymers and bitumen. This combination gives the proven waterproofing qualities of bitumen plasticity, excellent resistance to heat, ageing & weathering, and ease of application by torch welding. The polyester core gives the membrane high tensile strength, elongation, and superior lap joint strength.

INTRODUCTION

SABIT PLASTO-SPP is a polymer modified bituminous waterproofing membrane, consisting of a central non-woven polyester core, impregnated and coated on both sides with layers of APP (Atactic Polypropylene Polymer) modified bitumen and finished with heat fusible polyethylene film on both surfaces.

SABIT PLASTO-SPP is available in two basic finishes:

Finish with polyethylene surfaces for covered application: SABIT PLASTO-SPP

Granular surfacing for exposed application: SABIT PLASTO-SPP-

Features

- Total Impermeability for complete waterproofing
- Good bond ability and seam integrity
- Stability at high ambient temperature
- Good performance at broad temperature range
- Good flexibility
- Compatible with all roofing and building components

Uses

- SABIT PLASTO-SPP can be widely used in all kinds of waterproofing engineering projects, especially for the following types of engineering projects: All kinds of building surfaces, roof surfaces, parking lots, non-treading and converted treading surfaces.
- All kinds of underground waterproof or dampproof engineering projects. Water spraying pools, swimming pools, penstocks, water pools, and similar works.

Limitation

- SABIT PLASTO-SPP is not designed to be used on permanently exposed surfaces.
- Use SABIT PLASTO-SPP-G surface for such purposes or cover SABIT PLASTO-SPP with insulation or ballast.
- Neither SABIT PLASTO-SPP nor SABIT PLASTO-SPP-G are oil or solvent resistant.

Surface Preparation

Clean the surface smoothly and free from moisture, debris, or any substance preventing proper adhesion. Roof must have a minimum slope of 1% (10 mm per meter) evenly and continuously towards the drain. Surface must be primed with SABIT Primer D-41.

Membrane Installation

Unroll the membrane, aligning the edge (side lap joint) with the low point of the roof. Re-roll one end to the center of the roll and apply; then proceed with the opposite half. Continue up the slope with further rolls. The end of the propane torch head should be positioned between 150 mm and 300 mm from the surfaces, depending on weather conditions. Maximum heat is obtained at the blue end of the flame. Move the torch continuously in a rectangular pattern from the roll to the substrate. Slow down over the joint to ensure bitumen softens and fills voids. Side laps: 10 cm wide. End laps: 15 cm wide. Ensure small amount of molten bitumen in front of the roll; re-roll if needed.

TECHNICAL INFORMATION

Property	Unit / Description	Typical Result
Roll size	m	10
Thickness	mm	3, 4, 5
Unit weight (plain)	kg/m ²	2.5, 3.6, 3.7, 4, 5
Carrier polyester	g/m ²	140, 160, 180, 200

Softening point	°C	>150
Penetration at 25°C	dmm	15–30
Cold flexibility	°C	0 to –2
Tensile strength (N/m)	Longitudinal	600, 700, 900, 950
Tensile strength (N/m)	Transverse	500, 550, 700, 800
Elongation @23±2°C	% Longitudinal	45–50
Elongation @23±2°C	% Transverse	40–45
Tear Strength	N Longitudinal	350–450
Tear Strength	N Transverse	300–400
Lap joint Strength	N Longitudinal	600–950
Lap joint Strength	N Transverse	500–800
Puncture resistance	N	400–900
Heat Resistance	at 110°C	No Flow
Resistance of water pressure		No Leakage
Water Absorption	%	<0.15
Compound stability	°C minimum	110
Moisture Content	% maximum	1
Low temperature unrolling	°C	5

PACKING, STORAGE & HANDLING

Membrane Type	Thickness	Rolls per Pallet	Storage Notes
SPP / SPP-G	5 mm	16	Store vertically on pallets
SPP / SPP-G	4 mm	23	Store under shaded warehouse
SPP / SPP-G	3 mm	28	Rolls in pallet should not be stacked excessively