



EDILFLEX APP SMOOTH TORCH

DESCRIPTION

EDILFLEX APP SMOOTH TORCH is a polymer-modified waterproofing membrane made of distilled bitumen modified with polyolefins and Polypropylene-Polyethylene copolymers, that make it flexible at low temperatures. The reinforcement is an high-grade spunbond polyester, that combines excellent tensile strength, high elongation with a good dimensional stability.

COMPOSITION

- Bitumen.
- IPP.
- APP homo and co-polymer.
- Mineral filler.
- Polyester, non-woven, reinforced.
- Polyolefin burn off film 8 microns.

RECOMMENDED USES

- **EDILFLEX APP SMOOTH TORCH** is recommended as a base sheet or intermediate layer in multi-layer waterproofing constructions for flat, pitched or vaulted roofs, made of reinforced concrete cast on site or prefab, of terraces, under-floorings.
- **EDILFLEX APP SMOOTH TORCH** is used in single-play waterproofing system and In case of direct exposure to weathering agents, **EDILFLEX APP SMOOTH TORCH** shall be protected with reflective paint.
- **EDILFLEX APP SMOOTH TORCH** is especially indicated as base membrane in bi-layer system with a cap-sheet like **EDILFLEX APP GRANUALTED WHITE OR BLACK TORCH** membrane.
- Subject to the type of substrate it shall be installed by means of approved adhesives or melted bitumen.

PERFORMANCE ADVANTAGES

- **EDILFLEX APP SMOOTH TORCH** non woven polyester fiber mat, allows it a better elongation than any other common membranes.
- **EDILFLEX APP SMOOTH TORCH** is the solution to waterproofing in very cold weather.
- **EDILFLEX APP SMOOTH TORCH** special modified compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties making **EDILFLEX APP SMOOTH TORCH** a safe, durable, weather resistant membrane.

PRODUCT DATA

	Minimum Requirement	Rank	EDIL Typical
Roll Width, ft (m)	3,24 (0,99)	3,24-3,60 (0,99-1,10)	3,28 (1,0)
Length Roll, ft (m)	32,48 (9,90)	32,48-33,13 (9,90-10,10)	32,87 (10,02)
Net Coverage, sq. ft (m ²)	-----	-----	97,95 (9,1)
Pounds per 100 sq. ft	88	88-108	94
Grams/sq. m	4300	4300-5300	4600
Roll Weight, lb (Kg)	94,6 (43)	94,6-116,6 (43-53)	101 (46)
Thickness, mils (mm)	142 (3,60)	142-157 (3,60-4,00)	145 (3,70)
Back Coating, mil (mm)	39 (1,00)	39-90,5 (1-2,3)	79 (2)
Unrolling temperature, °F (°C)	39 (4)	-----	39 (4)



APPLICATION

SURFACE PREPARATION

- Make sure that the roof has a minimum of 4% slope and that there are no deformations that can generate water impoundment or protuberances that could perforate the membrane.
- Before priming, clean the surface of ebris, dust, grease, mosses and removable elements, that may exist.
- Prime with the recommended primer water based or solvent based and let it dry before waterproofing.

INSTALLATION

- Torch application on primed surfaces. Do not prime wooden roofs.
- After positioning the membrane over the substrate, the membrane will be adhered by passing the flame of the torch evenly across the burn-off film and the lap area of the previously installed sheet, until the membrane bitumen begins to melt. Ensure the burn-off film is completely melt.
- To seal overlaps and outer edges when use smooth membrane use torch flame and hot spatula.
- For cold applications on primed concrete surfaces apply with bituminous adhesive of reliable quality for horizontal areas or parapets and elevations. Side laps, head joints and shall be made with a high quality joint glue. For cold applications over insulation board (Polystyrene, PUR or PIR) apply with a bituminous mastic.

STORAGE AND HANDLING

• EDILFLEX APP SMOOTH TORCH rolls must be stored on end to prevent damage and flattening of the roll and it can be stacked by separating the lower layer of rolls from the upper layer with a plywood sheet to spread the load. All rolls should be stored at a minimum of 41°F (5°C) and it is not recommended to store stacked at high temperature. On the roof, the rolls must be stored so that it will be a minimum of 41°F (4°C) at application.

• Rolls should be placed out of weather in a clean, dry area. If material must be temporarily on the roof before application, they must be kept elevated from the roof surface on a pallet and covered from the weather with an opaque tarp.

SHIPPING INFORMATION

Pallets size : 45"x 39" (115 cm x100 cm)
 Rolls per pallet : 20
 Approximate weight per pallet: 2068 lb (940 Kg)
 Pallets per 40' container: 24
 Pallet per truckload: 22

PRECAUTIONS

- Avoid exposing the rolls for a long time to the direct heat of the sun, before applying them, because their mixture rich in polymers it can be harder to handle.
- Isolate membrane from waste products, petroleum products, grease, mineral or vegetable oils and animals fats
- Take care when transporting and handling membrane to avoid puncture or other damage.
- The surface to be waterproofed must not have protuberances that could deform the membrane.
- Make sure the primer is dry before starting the membrane installation.
- In the application with flame should not be exceeded in the flaming would damage the elastic properties of the modifying polymers of the asphalt.
- Heavy or blunt objects should not be supported on the installed membrane, without adequate protection, because it can perforate it.
- In single-play application, with the membrane exposed to the weather, apply the paint no later than 30 days after installation.
- If the membrane is going to be covered with Canadian shingles or clay tiles it is recommended to apply them immediately after the installation of the membrane, to protect it from the elements.

CAREFUL

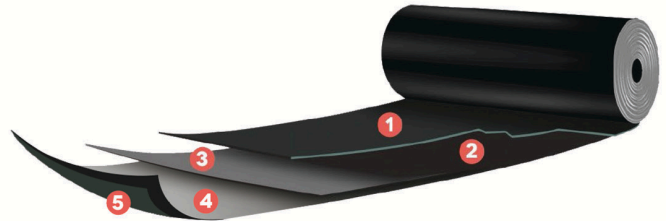
- Torch application shall be carry out only when primer is dry, to avoid fire when solvent base is used or bubbles forming when emulsion primer is used.
- Do not use open fire near of solvent base primer container.
- Use safety gloves and eye-glasses during membrane torch installation.

PHYSICAL PROPERTIES

PROPERTIES	METHODS		REQUIREMENTS	TYPICAL
	ASTM D5147-11a	UNI EN		
Thickness, mils (mm)	Sección 6	1849-1	142-153 (3,60 – 3,90)	145 (3,70)
Weight roll/m ² , Lb/sq m, (Kg/m ²)	-----	1849-1	9.5-11,7 (4,3-5,3)	10,1(4,6)
Length Roll ,ft (m)	-----	1848-1	32.48-33,13 (9,90 – 10,10)	32,87(10,02)
Tensil Strength, lbf/in (kN/m) [Kgf/5cm] , MD/CD	Sec. 7	12311-1	≥63 (11)[57]/ ≥55 (9,6)[49]	71(12,5)[64]/ 62(10,8)[55]
Elongation,% MDL / CD	Sec. 7	12311-1	≥34 / ≥34	36 / 36
Tear Strength, lbf (N)[Kgf] MD/CD	Sec. 8	12310-1	≥28,2(126)[12,8]/ ≥28,2(126)[12,8]	34,3(15,3)[15,6]/ 34,3(15,3)[15,6]
Low Temperature Flexibility, maximum, °F (°C)	Sec. 12	1109	≤14 (-10)	23 (-5)
High Temperature Stability, minimum, °F (°C)	Sec.13	1110	≥266 (130)	266 (130)
Water Absorption, max., %	Sec.10	-----	≤3,2	1,5
Resistance to static loading, Kg	-----	12730-A	≥ 15	20
Impact resistance, mm	-----	12691	≥ 900	≥ 900
Reaction to fire, class	-----	13501-1	E	E
Resistance to external fire, class	-----	13501-5	F _{roof}	F _{roof}

EDILFLEX APP SMOOTH TORCH

Manufactured in an ISO 9001-2015 registered facility
 ISO 9001-2000 certificate 9001-362-10505, issued on May-11-2005
 Edil C.A. NRCA member since 1990



- 1.- Smooth Surface
- 2.- APP Modified Asphalt.
- 3.- Polyester Mat.
- 4.- APP Modified Asphalt.
- 5.- Polyolefin Burn-Off film.



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