



EDIL

EDILFLEX APP GRANULATED WHITE TORCH

DESCRIPTION

EdilFlex APP Granulated White 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 values with good dimensional stability, white granules protect the membrane from UV rays and are decorative.

COMPOSITION

- Bitumen.
- IPP, APP homo and co-polymer.
- Mineral filler.
- Granules White color.
- Polyester, non-woven, reinforced.

RECOMMENDED USES

- **EdilFlex APP Granulated White Torch** is recommended as a cap sheet 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.
- Subject to the type of substrate it shall be installed by means of approved adhesives or melted bitumen.

PERFORMANCE ADVANTAGES

- **EdilFlex APP Granulated White Torch** non woven polyester fiber mat allows it a better elongation than any other common membranes.
- **EdilFlex APP Granulated White Torch** is the solution to waterproofing in very cold weather.
- **EdilFlex APP Granulated White Torch** special modified compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties making **EdilFlex APP Granulated White Torch** a safe, durable, weather resistant waterproofing and decorative membrane.
- **EdilFlex APP Granulated White Torch** is protected from UV rays by granules.

PRODUCT DATA

	Minimum Requirement	Rank	EDIL Typical
Roll Width, inch (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 (m2)	-----	-----	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)	145 (3,70)	145 - 157 (3,70 - 4,00)	150 (3,80)
Back Coating, mil (mm)	39 (1)	39 - 78,7 (1 - 2)	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 deform the membrane.
- Clean the surface of ebris, dust, grease, mosses and removable elements, before priming.
- Prime with the recommended primer water based or solvent based and let it dry before waterproofing.

Installation:

- 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.
- Torch application on primed surfaces. Do not prime wooden roofs.
- The sealing of the overlaps is achieved during the flame to the body of the membrane, keeping the flame on the part to overlap for a few more seconds. The overlap is not sealed with flame and hot spatula, to avoid staining the granules.

- 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 Granulated White 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 39°F (4°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 39°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 a opaque trap.

SHIPPING INFORMATION

Pallets size 45" x 39" (115 cm x 100 cm)
Rolls per pallet 20
Approximate weight per pallet 2068 lb (940 Kg)
Pallets per 40' container 24
Pallet per truck 22

PRECAUTIONS

- Avoid exposing the rolls for a long time to the direct heat of the sun, before applying them, because their rich mixture of polymers it can be harder to handle.
- Isolate membrane from waste products, petroleum products, grease, mineral or vegetable oils and animals fats
- The surface to be waterproofed must not have protuberances that could deform the membrane.
- 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 mantle without adequate protection, because it can perforate it.

CARE

- 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.

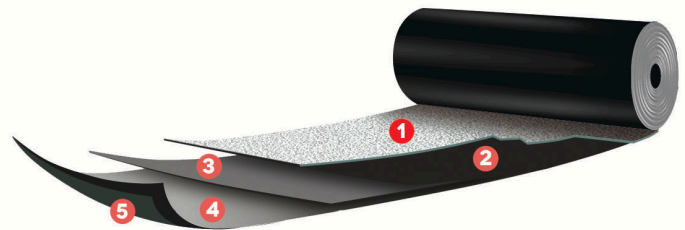
EDILFLEX APP GRANULATED WHITE THORCH

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.

PHYSICAL PROPERTIES

PROPERTIES	METHODS		REQUIREMENTS	TYPICAL
	ASTM D5147-11-a UNI EN			
Thickness, mils (mm)	Sección 6	1849-1	145-153 (3,70 – 3,90)	150 (3,80)
Weight roll/m ² , Lb/sq m, (Kg/m ²)	-----	1849-1	9.5-11,7 (4,3-5,3)	10,6(4,8)
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(153)[15,6]/ 34,3(153)[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 stating 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



- 1.- Granule Surface
- 2.- APP Modified Asphalt
- 3.- Polyester Mat.
- 4.- APP Modified Asphalt.
- 5.- Polyolefin burn off film.



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