

# EDILFLEX SBS 180 GRANULATED

Colors: Black, White.



## DESCRIPTION

**EDILFLEX SBS 180 Granulated** is a modified bitumen membrane consisting of asphalt modified with Styrene-Butadiene-Styrene and reinforced with a 180 g/m<sup>2</sup> nonwoven polyester mat. The combination modified bitumen-polyester reinforcement results in a flexible, high durability, granule surfaced roofing membrane. Modifying bitumen improves the asphalt's natural waterproofing characteristics and increases system performance. Granule surfacing improves resistance to UV light degradation and is a decorative element.

## COMPOSITION

- Bitumen.
- SBS.
- Mineral filler.
- Polyester mat.
- Mineral granules.

## RECOMMENDED USES

- **EDILFLEX SBS 180 Granulated** is an excellent solution for new construction and re-roofing applications, low or steep slope roofs of any size or type of deck.
- **EDILFLEX SBS 180 Granulated** is a perfect cap sheet in multi-layer asphalt waterproofing systems.

## ADVANTAGES

- **EDILFLEX SBS 180 Granulated's** nonwoven polyester reinforcing mat allows for better elongation most common membranes. The elongation and recovery properties of the SBS/Bitumen blend allows the product to easily accommodate the stress of continuous expansion and contraction.
- **EDILFLEX SBS 180 Granulated** is an ideal solution for waterproofing in cold weather.
- **EDILFLEX SBS 180 Granulated's** nonwoven polyester reinforcement provides excellent puncture and tear resistance.

## PRODUCT DATA

SPECIFICATION	MINIMUM REQUIREMENT	EDIL TYPICAL
Roll Width, ft (m)	-----	3'3"
Length Roll, ft (m)	-----	32'10" (10.0)
Net Coverage, sq. ft (m <sup>2</sup> )	-----	98 (9.1)
Pounds per 100 sq. ft	75	94
Grams/sq. m	3661	4560
Roll Weight, lb (Kg)	-----	100.5 (45.6)
Thickness, mils (mm)	130 (3.3)	150 (3.8)
Back Coating, mil (mm)	40 (1)	51 (1.3)



## APPLICATION

- Install using hot asphalt or cold process adhesive and hot air welding techniques.
- Prime all concrete, masonry, and metal surfaces.
- Do not torch directly to combustible substrates.
- Do not seal overlaps because stain granules.

## STORAGE AND HANDLING

**EDILFLEX SBS 180 Granulated** rolls must be stored on end to prevent damage and flattening of the roll. All products should be stored at a minimum of 40 °F (4 °C) and a maximum of 140 °F (60 °C). When stored on a roof the product must be stored so that it will be a minimum of 40 °F (4 °C) at time of application.

**EDILFLEX SBS 180 Granulated** rolls should be stored out of weather in a clean, dry area. If the materials must be stored on the roof before application, the rolls must be kept elevated from the roof surface on a pallet and covered from the weather with an opaque tarpaulin.

## SHIPPING INFORMATION

- Pallet size: 45" x 45" (115 cm x 115 cm) wooden pallets, covered with a shrink wrap plastic bag.
- Units per pallet: 30 rolls per pallet
- Approximate weight per pallet: 2775 lb (1292 kg).
- Pallets per 40' container: 22 pallets per 40' container.

## SPECIFICATIONS

Meets ASTM 6164, Type I, Grade G. Tested in accordance with ASTM 05147.

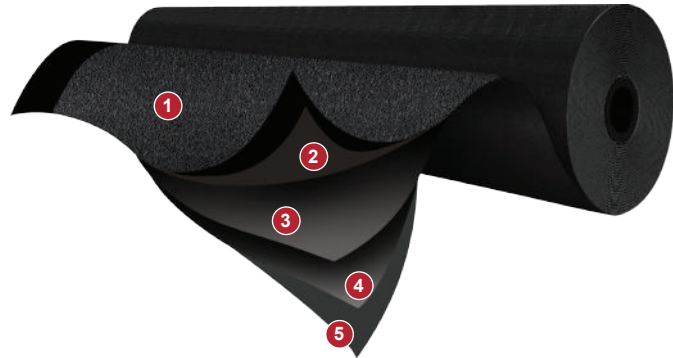
## PRECAUTIONS IN THE APPLICATION

- Use care when transporting and handling membrane to avoid puncture or other damage.
- Keep membrane segregated from waste products, petroleum products, grease, mineral or vegetable oils and animals fats.
- Refer to MSDS for hazardous material precautions.
- Do not apply torch grade roofing products directly over combustible substrates.
- Ensure that all primer solvents have flashed off prior to torch installation.
- Do not use open flames near flammable materials
- Always use leather gloves, long sleeve shirts, long pants, and safety glasses during membrane installation.

## PHYSICAL PROPERTIES AND SPECIFICATIONS

	REQUIREMENT	EDIL
Method ASTM D5147-11a	Minimum	Typical
<b>Tensile Strength</b>		
@ 0°F (-18°C) MD	70 (13.7)	≥ 80 (15.7)
@ 0°F (-18°C) CD	70 (13.7)	≥ 90 (17.6)
@ 73°F (23°C) MD	50 (8.8)	≥ 69 (13.5)
@ 73°F (23°C) CD	50 (8.8)	≥ 61 (11.9)
<b>Elongation, %</b>		
@ 0°F (-18°C) MD	20	≥ 40
@ 0°F (-18°C) CD	20	≥ 40
@ 73°F (23°C) MD	35	≥ 51
@ 73°F (23°C) CD	35	≥ 55
<b>Tear Strength, lbf (N)</b>		
@ 73°F (23°C) MD	55 (246)	≥106 (476)
@ 73°F (23°C) CD	55 (246)	≥85 (578)
<b>Ultimate Elongation %</b>		
@ 5% of peak load @ 73°F (23°C) MD	35	≥ 38
@ 5% of peak load @ 73°F (23°C) CD	35	
<b>Low Temperature Flexibility, maximum °F (°C)</b>		
	0 (-18)	0 (-18)
<b>Water Absorption, max., %</b>		
	3.2	3
<b>High Temperature Stability, minimum °F (°C)</b>		
	215 (102)	250 (110)

Manufacture an ISO 9001-2015 registered facility ISO 9001-2000 certificate 9001-362-10505, issued on 05-2005 **EDIL C.A.** member since 1990.



### EDILFLEX SBS 180 Granulated

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

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