

EDIL SELFLEX 30 PLUS

Colors: Black, White, Weatherwood.



DESCRIPTION

The **EDIL SELFLEX 30 PLUS**, is a self-adhering waterproofing membrane, made of bitumen modified with SBS (Styrene-Butadiene-Styrene) polymers. The membrane has an adhesive coating on the underside and a decorative colored granular top surface. The polyester reinforcement combined with fiberglass filaments imparts excellent mechanical properties of superior dimensional stability, with high tensile strength and elongation.

COMPOSITION

- Bitumen.
- SBS (Styrene-Butadiene-Styrene).
- Nonwoven 140 g/m² Polyester reinforced with longitudinal fiberglass strands.
- Ceramic quartz granules.
- Silicon release film.

RECOMMENDED USES

- For use on roofs and for waterproofing where the use of roofing torches with open flames is not recommended (i.e. over wood decks or foam insulations) or in areas where open flame installations are prohibited.
- For roofs with a pitch of 2/12 or a greater mechanical attachment is required.
- Can be installed in hot or cold weather.
- Recommended for use on decks subject to movement.

ADVANTAGES

- Excellent performance in both hot and cold climate and has excellent low temperature flexibility.
- The elastic properties of SBS modified bitumen provide excellent resistance to thermal shock and dimensional changes of the deck and the membrane during thermal cycles.
- **EDIL SELFLEX 30 PLUS** has excellent puncture resistance.
- Decorate and waterproof at the same time.
- Self-adhesive and does not require use of flame or hot air equipment to adhere to surfaces.

PRODUCT DATA

SPECIFICATION	MINIMUM REQUIREMENT	RANK REQUIREMENT	EDIL TYPICAL
Roll Width, ft (m)	3.24 (0.99)	3.24 - 3.60 (0.99 - 1.10)	1
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)	-----	-----	97.9 (9.1)
Pounds per 100 sq. ft	77.8	77.8 - 86	85
Grams/sq. m	3200	3200 - 3800	3400
Roll Weight, lb (Kg)	79.4 (32)	70.4 - 83.6 (32 - 38)	74.8 (34)
Thickness, mils (mm)	110 (2.80)	110 - 126 (2.80 - 3.20)	118 (3.0)
Back Coating, mil (mm)	39 (1.00)	39 - 78.7 (1.00 - 2.00)	79 (2.00)
Unrolling Temperature, °F (°C)	41 (5)	-----	41 (5)



APPLICATION

ROOF SURFACE PREPARATION:

- All roofs receiving our self adhesive sheet systems must have a positive slope of at least 1/4" in 12' to provide for adequate roof drainage. The surface must be clean, dry, and without deck deflection that would cause water to stand for more than 24 hours. Do not apply this product on wet surfaces.
- For re-roofing, all old roofing and other loose materials must be removed prior to installation.
- Concrete or Steel decks shall be designed with proper expansion devices.
- Wood decks shall be properly supported by the structural framing.
- Do not apply directly to shingles or other granulated surface roof systems.
- Recover over existing roof systems with coatings must be primed with an ASTM D41 asphalt primer AND back nailed regardless of the slope to the roof.

An ASTM D-41 asphalt primer is required on all substrates prior to adhering this product. Ensure the primer is fully dry prior to application of the EDIL membrane.

INSTALLATION

- EDIL self adhesive sheets should not be applied at temperatures below 40 °F (4 °C) or if rain is expected within four hours after the application.

- Align the membrane rolls beginning at the lowest part of the roof, working to the highest part. Overlap the roof edges a minimum of 1”.
- Remove the silicone release film, from the bottom of the roll and apply pressure to the roll from the center of the membrane to the edges.
- Mechanical attachment will be required when the deck slope is greater than 2½ in 12 for sheets applied on sloped surfaces. Back nail the membrane sheet using 1½” cap nails at 12” on center in the middle of the selvedge edge.
- Seal both side and end laps using a hard rubber roller. If the laps do not completely seal use a hot air welder to ensure that the seams are fully sealed.
- Use a thin bead of roofing cement under all edge metal and around all penetrations.
- Once the roll is installed, remove the silicone release film from the overlap and set the next roll into place.

- Roll the entire membrane surface, paying special attention to side laps, end laps and T-joints. Roller weight shall be 70 lb. minimum for low slope (up to 2½:12 pitch) and 28 lb. minimum for steep slope (greater than 2½:12 pitch).
- Probe all seams, head laps and “T” joints with a round, bull nose trowel to make certain that they are fully adhered. If the adhesion is incomplete use a hot air welder to make certain the seam/lap/joint is fully sealed.

STORAGE AND HANDLING

- Store indoors and on a smooth surface, free of dirt and debris.
- You may stack pallets vertically, up to 2 pallets high, separating each layer with a 10 mm sheet of cardboard or wood chipboard.
- All rolls should be stored at a minimum of 40°F (4 °C) and maximum of 104° F (40 °C) if stored in one layer or 95° F (35 °C) if stored in two layers. It is recommended that you store only one layer high when temperatures are elevated.
- 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 tarpaulin.
- On the roof, the rolls must be stored so that it will be a minimum of 40 °F at application.
- Rotate your inventory using the oldest batches first, to avoid problems of roll deformation due to long-term weight bearing.
- Always handle rolls carefully to avoid damage to the roll

SHIPPING INFORMATION

- Pallet size: 45" x 45" (115 cm x 115 cm) wooden pallets, covered with a thermo-retractable plastic bag.
- Units per pallet: 30 roll.
- Approximate weight per pallet: 2775 lb (1292 Kg).
- Pallets per 40' container: 20 pallet x Containers (40').

PRECAUTIONS IN THE APPLICATION

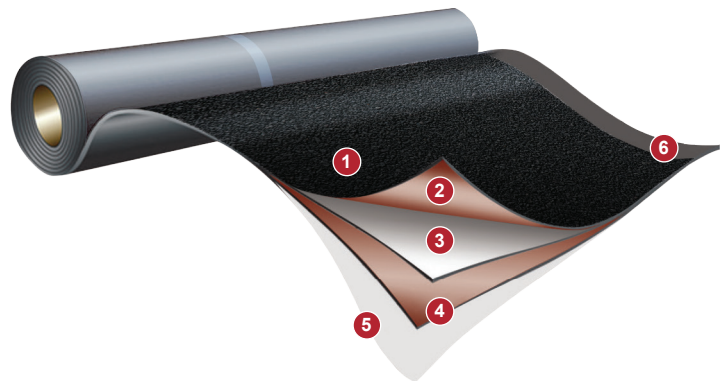
- Avoid exposing the rolls for a long time to the direct heat of the sun before applying them, their mixture is rich in polymers and could become harder to handle.
- Isolate membrane from waste products, petroleum products, grease, mineral or vegetable oils and animals fats.

- Take care when transporting and handling membrane to avoid puncture.
- The surface to be waterproofed must not have protuberances that could deform the membrane or other deformations that can generate water impoundment.
- Make sure the primer is dry before starting the membrane installation.
- Heavy or blunt objects should not be supported on the installed membrane without adequate protection because it can perforate it.
- Always use PPE when installing roofing materials (safety gloves, safety glasses, long sleeve shirts and long pants, etc.)

PHYSICAL PROPERTIES AND SPECIFICATIONS

PROPERTIES	METHODS		SPECIFICATION	TYPICAL
	ASTM D 5147-11a	UNIEN		
Tensile Strength at break lbf, (KN/m), [Kg/5cm], MD/CD	Sec. 7	12311-1	≥ 61.6 (10.8) [55] / ≥ 41 (7.2) [36.7]	87 (11.7) [60] / 44.6 (7.8) [40]
Elongation at Break, % MD/CD	Sec. 7	12311-1	≥ 29 / ≥ 29	33 / 33
Tear Strength, lbf, (N), [Kgf] MD/CD	-----	1210-1	67 (300)[67] / 67 (300)[67]	84 (373)[38] / 84 (373)[38]
Low Temperature Flexibility, °F (°C)	Sec. 12	1109	≤ 212 (≤ 1000)	216 (102)
High Temperature Stability, °F (°C)	Sec. 13	1110	≤ 212 (≤ 1000)	216 (102)
Water Absorption, max., %	Sec. 10	1847	N/A	N/A
Tack at 75 °F (24 °C) on Plywood, lb/ft width	ASTM D1970	-----	≥ 12	14
Tack at 40 °F (4 °C) on Plywood, lb/ft width	ASTM D1970	-----	≥ 2	2.4

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



EDIL SELFLEX 30 PLUS

- 1- Granular Surface.
- 2- SBS Modified Asphalt.
- 3- Nonwoven Polyester Fiber Reinforcement.
- 4- SBS Modified Asphalt.
- 5- Silicone Release Film.
- 6- Over rap.

JUNE 2023



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