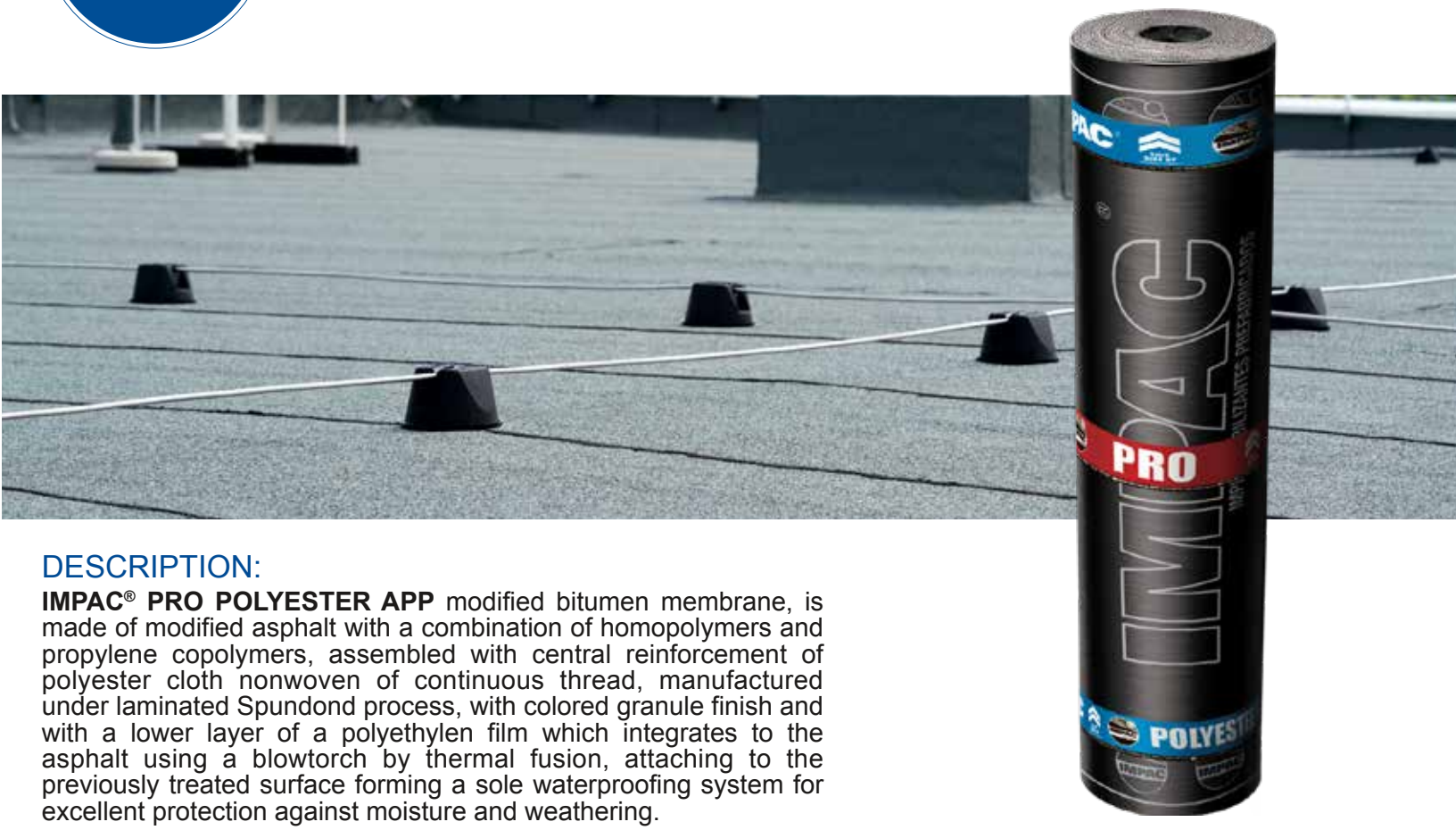
PRO POLYESTER APP

TORCH PREFABRICATED MEMBRANE



DESCRIPTION:

IMPAC® PRO POLYESTER APP modified bitumen membrane, is made of modified asphalt with a combination of homopolymers and propylene copolymers, assembled with central reinforcement of polyester cloth nonwoven of continuous thread, manufactured under laminated Spundond process, with colored granule finish and with a lower layer of a polyethylen film which integrates to the asphalt using a blowtorch by thermal fusion, attaching to the previously treated surface forming a sole waterproofing system for excellent protection against moisture and weathering.

BENEFITS:

- Fully adhered by thermal fusion, enabling large areas to be installed quickly.
- Product controlled, consistent thickness and quality.
- Assembled with polyester cloth, high resistance & elongation value.
- Excellent thermal stability.
- Accomodates thermal differences with no cracking or splitting.
- Excellent adhesion, cohesion, moisture resistance and weathering.
- Forms a 100% Waterproof system that is flexible with long term durability.
- Excellent behavior in high and low temperatures.
- Environmental Friendly.
- Can be subjected to occasional pedestrian traffic.

USES:

To waterproof any type of structure with non critical thermal – structural movements. It can be used in any weather. The granulated surface provides excellent impact resistance.

AVAILABLE COLORS:

PRESENTATION:

Top surface finish	Gravel
Membrane Thickness	.157" (4.00 mm)
Roll Size	.137" (3.50 mm), .157" (4.00 mm), .177" (4.50 mm)
Roll Width	3.2' (39.37”)
Roll Length	32.8' (393.7”)

Update: August 11/2026. These technical specifications replace any previous one up to this date. Visit our webpage www.impacusa.com where you can find the current version. Subjected to changes without notice.

www.impacusa.com

SAINT-GOBAIN

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TECHNICAL INFORMATION:

PROPERTIES	VALUE	STANDARD
Low Temperature Flexibility	23ºF (-5ºC)	ASTM D-5147
Asphalt Softening Point (Ring & Ball)	275ºF (135ºC)	ASTM D-36
Tensile Strength Machine Direction	90 lbf	ASTM D-5147
Tensile Strength Cross Machine Direction	66 lbf	ASTM D-5147
Elongation Machine Direction	45%	ASTM D 5147
High Temperature Stability	PASS	ASTM D 5147
Dimensional Stability	PASS	ASTM D 5147
Granule Loss	2 g	ASTM D 5147
Product Thickness	.137" (3.50 mm) .157" (4.00 mm) .177" (4.50 mm)	ASTM D 5147

HANDLING AND STORAGE:

Indoors on a smooth and clean surface, Pallets may be stacked 2 high, membranes must be stored vertically with a .236" (6 mm) board minimal between the lower and upper pallets. During its handling and storage the rolls must handled carefully . transport always in a vertical position, NEVER horizontally. Do not place anything on them; support them firmly in order to prevent leaning or bowing.

RECOMMENDATIONS:

Any existing roof coating systems should be completely removed from the surface to be protected. The surface to be roofed must not have bulges that can damage the asphaltic membrane. Do not place heavy objects on the newly installed membrane without the suitable protection to prevent damage. During installation, do not exceed heat limits because it may damage the reinforcement and the properties of the polymers that modify the asphalt. The application with blowtorch can only be fulfilled when the prime is dry. The IMPAC® modified bitumen membrane must not be stored In extreme heat, it should be stored only in the upright vertical position where the room temperature is not to exceed temperatures higher than 113º F. Store membranes away from oils and solvents

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APPLICATION WITH GAS BLOWTORCH BY THERMAL FUSION:

- The installation of the **IMPAC® PRO POLYESTER APP** requires an experienced and qualified workforce.
- The application must be fulfilled under favorable weather conditions. If there are high humidity or rain conditions, they could generate adhesion failure and blister formation.
- The surface must have a minimal slope of 2% towards rainwater runoffs or downspouts, free from pondings.
- Any existing roof coating systems must be completely removed from the surface to be protected.
- The surface where the **IMPAC® PRO POLYESTER APP** is to be installed must be even, completely dry, free of dust, sand, grease, oil, curing membranes and loose material of any nature, which can cause detachment of the membrane.
- Over the clean surface, apply the asphaltic prime IMPAC® Primer H (water based, please see Technical Specifications) or IMPAC® Primer SVT-SR (solvent based, please see Technical Specifications). If the surface is dry, use IMPAC® Primer SVT-SR (solvent based). If the substrate is damp, apply the asphaltic prime IMPAC® Primer H (water based). Let the primer dry completely.
- In critical points, chamfers, downspouts, chimneys, air conditioner ducts, tank bases, pipelines, fissures or cracks etc. must be sealed with IMPAC® Cement (please see Technical Specifications) or prepare cuts of the Prefabricated IMPAC® APP fiberglass .118" (3 mm) to seal them using a blowtorch.
- For joints treatment with structural movement, prepare belts from prefabricated **IMPAC® PRO POLYESTER APP** smooth 3 mm to seal them by blowtorch application.
- The roof coating height in the walls or parapets must be minimal 6" above level of finished surface or chamfer level and must be protected preferably with a metallic edge.
- Prefabricated **IMPAC® PRO POLYESTER APP** is installed on surfaces using a gas blowtorch. Care should be taken not to overheat the asphaltic membrane, because it can cause porosity and damage and disturb its performance and durability. The gas blowtorch must be in good condition.
- Start placing the **IMPAC® PRO POLYESTER APP** in the lower part of the roof surface continuing up and transverse direction across the slope. Place the membrane on the surface in the correct position, spreading half roll to assure a precise overlap aligned with the next roll.
- Once the previous point is reviewed, roll up the membrane without moving it from its position to start its application using thermal fusion. Unroll slowly the prefabricated **IMPAC® PRO POLYESTER APP**, then attach the membrane to the surface, heating its lower face with the gas blowtorch, meeting the polyethylene support and superficially the asphalt, without overheating it and softly applying pressure attaching the membrane to the surface.
- The longitudinal overlaps of 4" rolls will be staggered joint using a round tip trowel which is heated with a blowtorch.
- At the moment of this process, check the correct joint of these overlaps, applying pressure with the trowel in order for the asphalt to exude or flow slightly to the edge, assuring the joint tightness of both overlaps. Protect this asphalt cord with gravel or covering it with IMPAC® Maximus Paint.
- Take special care when joining the transversal overlaps of each roll, overlapping 6" among them, welding them by melting and completely removing the gravel with the trowel previously heated with the blowtorch, in order to guarantee proper adhesion.