KOOL COATS

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APP MODIFIED BITUMEN MEMBRANE

Description:

APP Modified Bitumen Membrane is made of modified asphalt with a combination of homopolymers and propylene copolymers, assembled with central reinforcement of fiberglass cloth nonwoven of continuous thread, manufactured under laminated Spundond process, with colored granule finish and with a lower layer of a polyethylene 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.

Recommended use:

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.

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.

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.

PRESENTATION	ROLLS
MEASURE	3.2' (39.37") width x 32.8' (393.7") long
THICKNESS (MM)	.137" (3.50 mm), .157" (4.00 mm), .177" (4.50 mm)
SURFACE	Smooth and Granule

In specific cases request information from our technical department

Roll Size 1 square (107.64 sq. ft.) (10.0 m²)

Important: All our products have been manufactured according to strict quality standards to provide a high quality product, the information we are providing is correct according to our many years of experience and standard manufacturing process. We strieve to meet and exceed the demands of our customers with the quality products we manufacture. Impac is not responsable for variations in installtion practices or conditions to be applied by the buyer.

CLASSIFIED UL

PRO LINE

Caution:

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 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 113° F. Store membranes away from oils and solvents

May 12/2020. These technical specifications replace any previous one up to this date. Subjected to changes without notice.

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Application:

Application with gas blowtorch by thermal fusion:

- The installation of the APP Modified Bitumen Membrane 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 APP Modified Bitumen Membrane 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 Primer H (water based, please see Technical Specifications) or Primer SVT-SR (solvent based, please see Technical Specifications). If the surface is dry, use Primer SVT-SR (solvent based). If the substrate is damp, apply the asphaltic prime
- 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 Cement (please see Technical Specifications) or prepare cuts of the
- Prefabricated APP fiberglass .118" (3 mm) to seal them using a blowtorch.
- For joints treatment with structural movement, prepare belts from prefabricated 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 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 APP Modified Bitumen Membrane 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 APP Modified Bitumen Membrane, 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
- 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.

TECHNICAL INFORMATION OF IMPAC APP

PHYICAL PROPERTIES	REFERENCE TEST	IMPAC APP PRO POLYESTER MAT
LOW TEMPERATURE FLEXIBILITY*	ASTM D-5147	23ºF (-5ºC)
ASPHALT SOFTENING POINT (RING & BALL)	ASTM D-36	275ºF (135ºC)
TENSILE STRENGTH MACHINE DIRECTION	ASTM D-5147	90 lbf
TENSILE STRENGTH CROSS MACHINE DIRECTION	ASTM D-5147	66 lbf
ELONGATION MACHINE DIRECTION	ASTM D-5147	45%
HIGH TEMPERATURE STABILITY	ASTM D-5147	PASS
DIMENSIONAL STABILITY	ASTM D-5147	PASS
GRANULE LOSS	ASTM D-5147	2 g
PRODUCT THICKNESS	ASTM D-5147	.137" (3.50 mm) .157" (4.00 mm) .177" (4.50 mm)

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