



PRIMETAK DETAIL TAPE

SELF-ADHESIVE 60 MIL POLYMER MODIFIED RUBBERIZED ASPHALT

PRIMETAK PEEL-AND-STICK WATERPROOFING MEMBRANE SYSTEM

Self-Adhesive Tape for Detailing, Penetrations, and Patching

KEY FEATURES

- Factory bonding assures 60-mil uniform thickness
- 50 foot, 12-inch wide tape allows for fast and easy application
- Used to detail construction joints, corners, and penetrations
- Self-adhesive patching tape for Primetak Membranes
- Wound on a disposable silicone treated release sheet to prevent the tape from sticking onto itself while on the roll
- Available in a Winter Formulation October through March

APPLICATIONS

- Cold Joints
- Control Joints
- Expansion Joints
- Inside & Outside Corners
- Patching Damaged Membrane
- Penetrations

COMPOSITION & MATERIALS

Kingfield's PRIMETAK DETAIL TAPE is a 60 mil strong, pliable, self-adhesive tape consisting of a 4 mil cross-laminated, high-density polyethylene (HDPE) backing, bonded to 56 mils of rubberized asphalt waterproofing compound. It is wound onto a disposable silicone treated release sheet to prevent the tape from sticking onto itself while in the roll. PRIMETAK DETAIL TAPE is used as detail strips on inside and outside corners, penetrations, expansion joints, control joints, cold joints and for patching damaged areas of the Primetak waterproofing membranes.

PRIMETAK DETAIL TAPE is produced in both summer- and winter-grade formulations; use PRIMETAK DETAIL TAPE for ambient and substrate surface temperatures of 40°F (4°C) and rising, use PRIMETAK DETAIL TAPE Winter for ambient and substrate surface temperatures of 25°F (-4°C) to 65°F (18°C).

STORAGE AND HANDLING

Material Handling

Membrane and accessories should be unloaded and stored carefully. Protect cartons and containers from weather, sparks, flames, excessive heat, cold and lack of ventilation. DO NOT stack membrane material higher than 5-feet vertically, nor double stack pallets. Store cartons on pallets and cover to prevent water damage. For best results, store membrane above 50°F (10°C) prior to application.

PROPERTY	TEST METHOD	TYPICAL VALUE
FILM COLOR		Black/White
MEMBRANE THICKNESS	ASTM D 1000	60 mils
TENSILE STRENGTH - MEMBRANE	ASTM D 412 Modified Die C	370 PSI
ELONGATION - ULTIMATE FAILURE OF RUBBERIZED ASPHALT	ASTM D 412	600%
TENSILE STRENGTH - FILM	ASTM D 882	7294 PSI
PERMEANCE	ASTM E 96 Method B	0.022 Perms
CRACK CYCLING	ASTM C 836 Tested @-15°F (-26°C)	No effect
PEEL ADHESION	ASTM D 903	17 lbs./in. width
LAP PEEL ADHESION	ASTM D 1876	8.0 lbs./in. width
LOW TEMPERATURE FLEXIBILITY (-15°F)	ASTM D 1970 Modified	Pass
PLIABILITY	ASTM D 146 180° bend over 1" mandrel at -25°F (-32°C)	No effect
PUNCTURE RESISTANCE - MEMBRANE	ASTM E 154	69 lbs.
RESISTANCE TO HYDROSTATIC HEAD	ASTM D 5385	231 ft.
EXPOSURE TO FUNGI IN SOIL	GSA-PBS 07115 (16 weeks)	No effect
WATER ABSORPTION	ASTM D 570	0.1%

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KINGFIELD CONSTRUCTION PRODUCTS – 20 NORTH 4TH STREET, SUITE 300, MINNEAPOLIS, MINNESOTA 55401

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INSTALLATION

SURFACE PREPARATION

- Prior to starting work, check that all horizontal surfaces to be waterproofed slope towards drainage or refer to balcony details for zero-slope applications. This material is not designed to be applied in areas where water will pond.
- A smooth monolithic concrete surface is required. Provide a Concrete Surface Profile (CSP) 1 thru 3. Broom surfaces are not recommended.
- Concrete should be dry, frost free and cured a minimum of seven days prior to application of PRIMETAK membrane and PRIMETAK LIQUID ADHESIVE.
- Surface must be free of voids, spalled areas, sharp projections, loose aggregate and form release agents.
- Do not use concrete curing compounds containing oil, wax, or pigments.
- Form release agents must be the self-dissipating type which will not transfer to the membrane.
- Surface defects; such as cracks, single bug holes of 1/2-inch or greater, or cavities; should be filled and finished flush with a Portland cement grout or concrete. Single bug holes can also be filled with PRIMETAK DETAIL SEALANT or Kingfield's SEPA SEAL 5000 detailing sealant.
- Finish below-grade (except footings) and the top of projecting ledge surfaces to a beveled or rounded edge.
- Striking off joints flush with surface is also required. Concrete masonry walls or brick with deeply recessed mortar joints require a well-adhered parge coat before application of membrane.
- Clean all surfaces to remove debris, dust and loose stones before application begins. DO NOT apply system to frozen concrete.

PENETRATION/INSIDE CORNER/FILLET/DETAIL LIQUID MEMBRANE

PRIMETAK DETAIL SEALANT: Single-component tube or pail.

- Apply fillets formed by PRIMETAK DETAIL SEALANT, latex modified cement mortar, or epoxy mortar at the base of foundation walls, footings, and inside corners. Provide a 3/4" fillet face.
- DO NOT use wood or fiber cant strips.
- DO NOT prime underneath PRIMETAK DETAIL SEALANT when applied to concrete.
- Cover all inside corners and the base of the foundation wall to footing joint using a 12-inch wide strip of PRIMETAK DETAIL TAPE centered along the axis. Press or roll firmly to achieve a complete seal. PRIMETAK DETAIL SEALANT may be substituted for the initial 12-inch wide strip of PRIMETAK DETAIL TAPE on inside corners by applying a minimum of 90 mils, 3/4" fillet (cant) 6" vertically and horizontally away from the fillet (cant).
- At penetrations, posts, or projections, seal with PRIMETAK DETAIL SEALANT 6 inches onto concrete and 3-inches onto penetrating item; then apply a second flashing sheet over the penetration extending a minimum of 6 inches from the detail. The seal the cut edges of all terminations must be sealed with PRIMETAK DETAIL SEALANT.
- Treat drains and projections with a second ply of PRIMETAK Membrane for a distance of 6" away from drain or projection. Seal all terminations with PRIMETAK DETAIL SEALANT.
- Complete detail work prior to applying PRIMETAK LIQUID ADHESIVE or PRIMETAK ST LIQUID ADHESIVE. PRIMETAK DETAIL SEALANT can be used for detailing penetrations, allowing a minimum 2 hours to cure prior to waterproofing membrane application.
- Pipes which are wired together and touching, cannot properly be waterproofed. Ensure all pipes have proper spacing. Recommended spacing for pipe penetrations is 2-inches. The minimum allowed is 1-inch.

INSPECTION AND REPAIRS

Visually inspect membrane for tears, punctures, air blisters, and "fishmouths," prior to water tests, placement of protection board, and backfilling. Make repairs by removing all damaged membrane so only well-bonded PRIMETAK Membrane remains. Re-prime any exposed concrete. After Liquid Adhesive is dry, apply a new sheet of membrane over the concrete, extending 6-inches onto previously-applied PRIMETAK Membrane. Care should be taken to obtain good adhesion between membrane used for repairs and originally-applied PRIMETAK Membrane. Seal edges with PRIMETAK DETAIL SEALANT or SEPA SEAL 5000 detailing sealant.

"FISHMOUTH" REPAIR: Slit all "fishmouths," overlap the pieces, place patch over area and roll in place. Puncture air blisters, expel the air, prime and cover with patch. Extend the patch material minimum 6 inches in all directions beyond the repair area, then seal the patch edges with PRIMETAK DETAIL SEALANT or SEPA SEAL 5000 detailing sealant.

Inspect the membrane after installation and after any rebar placement for damage to the PRIMETAK surface. Repair with PRIMETAK DETAIL TAPE areas that are smaller than 4 inches across. For areas larger than 4 inches, either apply a new sheet of PRIMETAK over the damaged area and tape the edges or layer PRIMETAK DETAIL TAPE side-by-side and seal the seams with PRIMETAK DETAIL TAPE.

ULTRAVIOLET PROTECTION

PRIMETAK Membrane is adversely affected by ultraviolet light. Cover the waterproofing system as soon as possible; DO NOT leave exposed to sunlight for over 30 days.

TECHNICAL SERVICES & SAFETY

Technical assistance, product information, and SDS documents for all Kingfield products can be obtained at our website www.kingfieldcp.com and are available through contacting Kingfield Construction Products via email (info@kingfieldcp.com) or by fax/phone (612) 225-5167.

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