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PAINT, COATINGS & WATERPROOFING

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Catalog

ROOFS • BASEMENTS • FOUNDATIONS • DECKS • WALLS • FLOORS
Ames’ American History

“Make it the best you can.” This is the Ames’ family motto spoken over 200 years ago by my great, great, great Grandfather Oliver Ames, Sr.

When I was a young boy, my grandfather instilled in me an appreciation of my family heritage and a love for America. As I grew up, I studied my family history and found a deep connection with the story told by my family. I visited my ancestor’s homeland in Easton, Massachusetts where I experienced strong genetic memories. The Ames family history is a story woven into the history of our nations’ founders and foundations.

Our enemies want us to forget our history so they can steal our freedom. It’s important to know your family history and your country’s history and to pass it on. Know it! Be proud of it!

America has a Judeo-Christian foundation that makes us strong together as a nation and gives spiritual wisdom. We believe in God and those first principles of the Constitution. We will fight for an honest vote, for a country under God, and for the Bible to be taught in our schools. With this strong conviction, our company uses much of its profits for the fight to preserve freedom and our foundations.

William Ames Curtright
Founder, Ames Research Laboratories, Inc.

Remember this, fix it in mind, take it to heart, you rebels. Remember the former things, those of long ago; I am God, and there is no other; I am God, and there is none like me.”  Isaiah 46:8-10
In 1774, while an infant country was still but a gleam in the eyes of her founding fathers, there was a birth of a different sort taking place. In the colonial town of Bridgewater, Massachusetts a blacksmith was at work. Captain John Ames began making the colony’s first metal shovels. These shovels would replace early wooden and metal English imports and would soon take their rightful place in the rugged hands of enterprising patriots. John Ames and his sons made sure that these tools were the finest quality possible. Later, the successful Ames' Tools were supplied to the Union Pacific Railroad. In 1864, President Lincoln asked Senator Oaks Ames and Oliver Ames to help build it. Upon that request, Oliver Ames invested millions in the Union Pacific. Oliver Ames was appointed president of the Union Pacific and he made it his goal to build it into the best that it could be. Under the Ames' presidency seven times more track was laid than the previous year. Making the best has been the Ames tradition for over 227 years. Dr. William Ames Curtright, DBA, direct descendent of John Ames, and founder and CEO of Ames Research Laboratories, Inc. has always maintained this family tradition. William Ames believes quality stands the test of time.

Dr. William Ames Curtright DBA
- Ames is an inventor of products.
- Founder of Ames Research Laboratories, Inc. and Oregon Research Development
- Ames is a three-time Oregon Gubernatorial Candidate and Member of The Board of Governors for Conference on National Policy
- Founded Ames' Tools Company Museum

Ames Monument, Albany County, WY Dedicated to Oakes and Oliver Jr. Ames Home of Murphy’s Law

Ames' has always meant quality first, from Ames' Tools to Ames' Coatings. Ames Research Laboratories, Inc. corporate office and manufacturing plant is located in Salem, Oregon. Ames Research Laboratories, Inc. is committed to creating and manufacturing the finest quality elastomeric coatings and paints on the market today.

Proudly MADE IN THE USA ENERGY STAR PARTNER BUSINESS
Ames’ Maximum-Stretch®
Premium Elastomeric Coating

Ames’ Maximum-Stretch is a thick, high quality rubber and acrylic elastomeric coating designed specifically for waterproofing, repairing and maintaining many different types of roofs. It dries rapidly to form a cool white, watertight roof membrane with up to 750% elasticity that expands and contracts with the roof surface. It seals, saves, and extends the life of old roofs and is an excellent choice for old tar roofs.

- Up to 750% elastic
- Up to 98% reflective
- Reduces roof temperature and saves energy
- Tintable: charts and tinting formulas are available

Ames’® Super Elasto-Barrier®
Roofs, Roof Decks, & Siding Waterproofing

Ames’ Super Elasto-Barrier is a water-based liquid dual-rubber basecoat used primarily for roof and roof-deck waterproofing applications. It also works well as a primer for other Ames’ products. It flows into cracks and crevices as a liquid and sets up as a durable rubber to seal leaks wherever they occur. It is formulated to renew, reconstruct, revitalize and extend the life of roofs, walls, and decks. Super Elasto-Barrier is a base coat and must be topcoated.

- Up to 1000% Elastic
- Formulated for Year-Round Application
- Winter Formula Coating
- May be applied down to 32°F (0°C)

“We have a metal roof on our place in NM and would get driven rain up under an overhang and leak inside the building. Bought a 5 gallon bucket and applied two coats to the seam where the two roofs overhang each other, and now no leaks! Your product worked as advertised and the bonus is it is made in the USA! Keep up the good work folks.”
- Bob & Nancy from Arabela, NM - Scan QR codes for additional reviews
Ames® Iron Coat®
Elastomeric Coating For Metal Roofs

Ames’ Iron Coat is a thick, high quality acrylic elastomeric roof coating especially formulated for metal. It dries rapidly to form a cool white, up to 500% elastic, impenetrable roof membrane that expands and contracts with the roof surface. It has a special affinity for metal with excellent bonding capabilities over rust and oxidized aluminum.

- Up to 500% elastic
- Up to 90% reflective

Ames® Snow Seal®
For Tar Roofs, Gravel Roofs, and Metal Repair
*A Reflective Coating and Energy Saver

Snow Seal is a bright white, premium grade acrylic elastomeric roof coating for sealing and saving roofs, reflecting sunlight, and dramatically lowering extreme temperatures to reduce cooling costs. This liquid rubberized elastic coating flows easily into cracks and crevices, is highly adhesive and dries to completely seal leaks.

- Up to 400% elastic
- Up to 85% reflective

Ames® Snow Seal®
Light Commercial/Residential Grade

Snow Seal Light Commercial Residential Grade is a white elastomeric roof coating and paint for sealing and saving roofs, reflecting sunlight, and dramatically lowering extreme temperatures to reduce cooling costs.

- Up to 400% elastic
- Up to 85% reflective
Ames’® Blue Max®
Impervious Rubber Coating

Ames’ Blue Max is a special blend of adhesive, high strength elastomeric liquid rubber technology for waterproofing in extreme wet situations such as below-grade foundations, basement walls, and cisterns. It is high in solids and dries to a tough 1200% elastic membrane that resists cracking and peeling. It flows into cracks and crevices as a liquid and sets up as a durable rubber to seal leaks wherever they occur. It has a low odor and is non-flammable. Ames’ Blue Max must be top-coated for above-grade exterior applications. Blue Max is also available in a Trowel Grade.

- Highly adhesive flexible rubber
- Up to 1200% Elastic
- Remains flexible from -30° to 150° F
- Non-hazardous

Ames’® Block & Wall® Liquid Rubber
Below-Grade and Interior Applications

Ames’ Block & Wall Liquid Rubber is a blend of adhesive, high strength, elastomeric, liquid rubber. It is designed especially for waterproofing in extreme situations. It is high in solids and dries to a tough elastic membrane that is up to 800% elastic to resist cracking and peeling. The adhesive qualities in Block & Wall Liquid Rubber will help glue surfaces together to strengthen wall construction. Ames’ Block & Wall Liquid Rubber must be top-coated for above-grade exterior applications.

- High in solids
- Up to 800% elastic
- Stops leaks fast
- Tintable white
- Use on block, or brick interior basement walls, and below-grade foundations

“My basement leaked ever since I moved into my house. We have tried every product out there and they all had the same results... didn’t work! We applied 2 coats of Blue Max and had our first winter with it and it hasn’t leaked at all. I would highly recommend this product for basements. The customer service when I called in was fantastic as well!” - BN

Scan QR codes for additional reviews
Ames’® Safe-T-Deck®
Granulated Skid Resistant Safety Paint

Ames’ Safe-T-Deck comes in a granulated non-skid formula perfect for decks and stairs. It is a pure, water based, environmentally friendly, adhesive acrylic latex safety paint that is skid resistant. It preserves and protects by substantially increasing the strength of the surface through adhesion. It seals out moisture and renews old surfaces while providing extra life and a skid resistant finish that is ideal for pedestrian traffic.

- Performance of an epoxy
- Waterproofs, preserves, protects and renews
- Molecular plastic penetration
- Semi-gloss tough finish
- Comes in six stock colors
- Tintable: charts and tinting formulas are available

Ames’® Safe-T-Deck® Urethane Interior Floor Paint
Smooth Formula

Ames’ Safe-T-Deck Urethane Floor Paint performs like an epoxy to preserve, protect and renew old interior floors. This is done by substantially increasing the strength and adhesion by molecular plastic penetration into the concrete surfaces. The molecular plastic is smaller than concrete in size and penetrates into the concrete. It is excellent over office floors and factory areas.

- Performance of an epoxy
- Waterproofs, preserves, protects and renews
- Semi gloss tough finish
- Comes in white, tan and grey

“Your products saved my 15 year old deck last summer. We were ready to tear it out and decided to try Safe T Deck first. It locked down all the splinters so the kids can walk barefoot on the deck again. I used Ames’ Super Primer first since our deck was in such bad shape and it literally glued together splintered and rotting wood areas on the deck. Thank you for giving our old deck new life!” -NW Deck - Scan QR codes for additional reviews
Ames® Liquid Granite®
Decorative Architectural Paint
Ames' Liquid Granite is an attractive, decorative, granite-look coating that beautifies with a rich glow while it seals and protects. Liquid Granite seals out moisture and restores old concrete. It hides cracks in floors and walls. It preserves and protects by substantially increasing the strength of the surface through adhesion.

- Easy trowel application
- Use on floors, walkways, walls, basements, stairs, and many other applications

“"We are so pleased with this product, after almost 3 years, it looks amazing! I have power washed it and it hasn't peeled, chipped or anything. I have furniture that I move around, no scratches can be seen! It's resistant to stains too, during the fall lots of leaves come down, and if it rains they get wet and sometimes stick to the floor, we either hose it off, or power wash it and it comes right out. I have kids that ride their bikes, big wheels and other wheel toys on it and nothing: no scratches or rubber marks, it truly is an amazing product!" - Andrea, PA
- Scan QR codes for additional reviews

Ames® Super Elasto-Barrier®
Roofs, Roof Decks, & Siding Waterproofing
Ames' Super Elasto-Barrier is a water-based liquid dual-rubber coating used primarily for roof and roof-deck waterproofing applications. It also works well as a primer for other Ames' products. It flows into cracks and crevices as a liquid and sets up as a durable rubber to seal leaks wherever they occur. It is formulated to renew, reconstruct, revitalize and extend the life of roofs, walls, and decks. Super Elasto-Barrier must be topcoated.

- Up to 1000% elastic
- Formulated for year round application
- Winter formula coating
- May be applied down to 32°F (0°C)

“We tried all kinds of products to seal our deck. This one worked and lasted well over 10 years. Apply as instructed with a base coat, then the mesh, then extra base coats to cover the mesh and finally the UV protection. We applied an added coat after 5 years and it still was shedding water with no cracking after 15 years when we moved.” - Mike R.
- Scan QR codes for additional reviews
**EXTERIOR ABOVE GRADE WATERPROOFING**

**Ames’® Clear Seal™ Elastomeric Plastic Coating**

Clear Seal is a unique, semi-clear elastomeric plastic sealant and adhesive for wood and concrete. It penetrates deeply into wood and concrete to actually glue and bind together the molecules of the surface it is being applied to. Rotting and deteriorating surfaces can be restored to a somewhat new condition and often the surface life can be extended for one or more years of usefulness.

**Ames’® Block & Wall® Acrylic Above-Grade and Exterior Application**

Ames’ Block & Wall is an elastomeric waterproofing sealant for exterior, above-grade walls. Block & Wall dries to form a waterproof seal to keep water and moisture out. It is heavy duty, yet easily applied. It’s designed for exterior use with good UV resistance and almost peel-proof on any concrete or vertical application.

**Ames’® Paint & Prime® 25 Year Acrylic Latex Paint**

Ames’ Paint & Prime 25-year is our high quality premium interior/exterior all-in-one waterbase, pure acrylic, latex paint and primer built into a single product. It is formulated to prevent the growth of mold and mildew. It can be applied at a coverage rate of 1 gallon per 300 sq. ft.
Ames® Barn Roof Sealer™
Waterproofs Metal Roofs & Silos
Ames® Barn Roof Sealer™ is a thick, high quality rubber and acrylic elastomeric coating designed for waterproofing, repairing, and maintaining different types of roofs. It has a remarkable adhesion and is easy to apply. It dries rapidly to form a cool white, watertight roof membrane with up to 500% elasticity that expands and contracts with the roof surface. It has been developed for a wide range of climates, and formulated to help resist fungus, mold and mildew.

Ames® Peel & Stick Seam Tape™
Seam taping is an easy process and an important step in properly preparing your surface before applying Ames’ waterproof, elastomeric coatings and paints.
**Ames’® Blue Max® Liquid Applied Air Barrier™**
Fluid-Applied Membrane Air Barrier

- Up to 750-1200% elastic
- Remains flexible at -35°F
- Resists fungus, mold, & mildew
- Color: Colonial Blue
- Self-seals around nails and fasteners
- Non-toxic
- Holds up to 198 lbs PSI
- For use on tar, brick, block, plywood, stucco, and drywall

Blue Max Liquid Applied Air Barrier is a waterborne, liquid rubber coating for sealing walls and creating an air block in the building envelope. It can be sprayed, rolled or brushed on and dries to form a seamless, non-permeable seal which stops air movement and prevents moisture transport across a building’s environmental barrier. When applied in conjunction with seam tape (PS250, PS450, or PS650) and other air barrier assemblies (qualifying doors or windows) form an air-tight envelope which creates a major energy and operational cost savings. This flexible, seamless shield is an integral part of a passive building envelope and can be applied either internally or externally to the structure.

**Importance of an Air Barrier**

A building’s energy performance can most cost-effectively be improved by reducing the amount of air leakage by using an effective air barrier like Ames’ Blue Max Air Barrier. Air leakage causes three major problems to the energy performance: the transporting of heat, moisture, and contaminants across the building’s environmental barrier.

Transportation of heat causes the exterior air to infiltrate the interior heated or cooled air, which requires your air filtration system to work harder to maintain that comfortable temperature. Use of an air barrier like Ames’ Air Barrier helps lower heating and air-conditioning bills, thus lowering building operating costs.

Moisture transport (through humidity in the air) happens when the warm moist air from outside meets the cold air inside, or when cold air from outside meets the heated inside, causing condensation to occur and causing problems with durability of the structure. This trapped condensation can lead to water stains, mold, and rot. The use of an air barrier will reduce the chance of moisture-related problems occurring.

Transportation of contaminants happens when the airborne pollutants such as pollen, breach the building’s envelope. The use of an air barrier will stop the contaminants from getting into the building, thus improving the occupant’s comfort.

*Passes air/vapor barrier testing*
Ames’® Super Primer™
A 100% Pure Acrylic Plastic Sealant and Bonding Agent

- Resists cracking and peeling
- Bonds surfaces together
- Increases adhesion for Ames’ coatings and paints
- Prevents fungus, mold, mildew and moss.
- Seals water out

Ames’ Super Primer is a plastic sealant, primer and adhesive all in one. It can be used on concrete, cinder block, brick, tile, EPDM rubber, stucco, wood, metal, and many hard-to-stick surfaces. Super Primer leaves a clear and slightly tacky surface that substantially increases adhesion for Ames’ coatings. Much more powerful than a water repellent, Super Primer helps seal against water damage and seepage while penetrating deeply into the surface to strengthen and bind together the molecules of the surface it is applied to.

**Concrete Additive**

**Super Primer can be used as a concrete additive**

When added to the water of a concrete mix at 25% ratio, Super Primer substantially reduces cracking in concrete and increases crush strength from an estimated 2800 PSI to 8800 PSI. Seamless concrete polymerized with Super Primer will be impervious to water penetration and will prevent efflorescence. Coatings will have substantially better adhesion to concrete that has been strengthened by Super Primer. The set time will speed up and the long-term cure time will be reduced from an estimated 28 days to 22 days at 70°F ambient temperature.

**Important:** the user should always run a test batch when polymerizing concrete to determine the saturation ratio or proportions that work best in their application.

**Super Primer may be added to latex coatings to increase adhesion**

Super Primer is a useful additive to such products when the surface is chalking or deteriorating. The approximate ratio is up to one pint of Super Primer to one gallon of coating. Run a test patch to determine that you have the proper ratio to successfully complete your application.
A reflective safety coating/paint with reflective technology for many traffic and safety applications such as curbs, fire hydrants, walls, wooden poles, and other surfaces that need to reflect light at night. This remarkable product is based on the latest elastomeric technology. It is highly elastic and resists peeling. The coating contains light-refractive lenses which, once dry, reflect light.

**Surface Preparation**
All surfaces should be dry, clean, and free of oil, grease, and loose or flaking materials. Additional bonding and waterproofing for stucco or concrete can be achieved by using Ames' Super Primer. If concrete is decomposing, it may be necessary to fill or repair it with Blue Max Trowel Grade. New concrete should be allowed to cure for at least 30 days prior to application of this product. Cracks larger than ⅛" should be filled with Blue Max Trowel Grade, and all seams should be taped and coated. Mask off the area to be sprayed. Lay a tarp on the floor to catch excess lenses that may fall to the floor.

**Texture Spraying Application Method**
Texture sprayers for coatings have been around for some time. Ames' Research has found a texture sprayer capable of spraying our reflective coating. A Wagner® Texture Hand Sprayer is recommended for spray application. This is a small hand held sprayer that contains a built-in blower that blows air and material through a quarter inch nose onto a concrete or wood surface. The sprayer method greatly accelerates the application and is excellent for small jobs. Use protective goggles in the application area. Pour the coating or scoop the coating into the hopper (about a gallon). Spray the coating about 20 inches distance in laying a pattern that works for you.
Seam taping is an easy process and an important step in properly preparing your surface before applying Ames' waterproof, elastomeric coatings and paints.

Why is it important?
Hot and cold temperature changes will cause a roof, wall, or decks to expand and contract. Over time, cracks and leaks can develop. Seam taping provides reinforcement over areas prone to splitting, such as seams or joints and creates a “bridge” that ties the surfaces together so water cannot seep through. All surfaces with joints, cracks, flashings, roof vents, or where two unlike surfaces come together should be seam taped. Use seam tape over edges and shape it to fill corners, then depending on application, cover liberally with Super Elasto-Barrier or one of our other Ames' coatings.

Do not substitute fiberglass or asphalt impregnated seam tape. They do not stretch or shape like Ames' Peel & Stick Seam Tape.

Preparation
Remove all loose paint, dirt, oil, and grease leaving the surface clean and dry. All major cracks, joints, and seams should be filled with an Ames’ Blue Max Trowel Grade coating and filler. Do not use any silicone caulk material. Make sure the surface is as smooth as possible.
42” x 75” (250 sq. ft.)

Ames’® Contouring Roof Fabric™
Long-term Strengthening and Reinforcement With Fabric

- Reinforces roof & deck systems
- Adds strength
- Keeps the roof from splitting
- Reduces movement

Roof Fabric Application
After seam taping the next step is to embed roof fabric for long-term strengthening of the roof surface. The roof fabric (CRF250) is 42 inches by 75 feet. It is a flexible polyester with the appearance of fiberglass cloth.

Step One: Pour out a liberal amount (about one to two gallons on a roof) of Ames’ Super Elasto-Barrier onto the surface (for smooth roofs only). Use a push broom or roller to spread the coating out in a path slightly wider than the roof fabric and then use them to roll the fabric into the wet coating until the coating comes up through the fabric and totally saturates it. This is best done by laying the roll of fabric down and pushing it forward into the wet coating with the push broom or roller while the excess coating comes up through the fabric. Avoid folds and wrinkles. The fabric will absorb almost two gallons per 100 square feet during this application. In order for the fabric to work properly, it has to be on a smooth surface.

Step Two: With a roller or push broom, pull the excess coating off to the side in preparation for laying the next row of fabric. Use the lap line on the fabric roll as a guide. One may butt or overlap the fabric. If you choose to overlap the fabric, overlap its entire length by three to four inches. Overlap may leave a seam. Repeat this process until the entire surface is completely covered with fabric. Allow the embedded fabric to dry completely. For best results allow a minimum of 24 to 48 hours between coats.

Step Three: To complete the roof fabric application process, apply an additional coat over the surface to completely seal and fill all remaining pinhole openings in the fabric. The goal here is to have all pinholes filled and no less than 30 mils of thickness (about the thickness of a dime). Use all the remaining coating to complete the process of three gallons per 100 square feet of roofing surface. The coating is best applied by pouring out in small quantities and spreading.

1. Wet the surface
2. Roll out the Fabric
3. Topcoat with Ames’ Acrylic Coatings
Application Suggestions
Ames Research Laboratories, Inc. recommends that these application suggestions be used as a guideline for applying Ames’ products. Please remember these are only suggestions. Product durability depends upon surface preparation and sufficient material usage for thickness. Read all instructions on the label before beginning. Always run a test patch first in an inconspicuous area to ensure that proper adhesion and drying occurs with your product and that the product works to your satisfaction before proceeding. Do not proceed unless you are satisfied. For product information or technical assistance, call 1-888-345-0809 or visit our website at: www.amesresearch.com.

Weather and Drying Guidelines
For exterior application, our products are best applied between 50 to 90°F (10 to 32°C) on warm dry surfaces. Be sure humidity is less than 50% and dew point and temperature have a good spread. The coating will begin to dry in 30 minutes to 2 hours depending upon the thickness of application and weather. For best results, allow a minimum of 24 hours between coats. It continues to cure for up to two weeks. IMPORTANT: For exterior applications check your local weather forecast and follow our Ames’ weather rule: Apply when the streets are dry, the sun is in the sky, the roof is warm to touch, and no inclement weather is forecast for at least 24 hours. The best work window during winter months is usually between 10:00 a.m. and 2:00 p.m. with a forecast of clear weather for the following day. Low temperatures, high humidity and evening and morning dew will require increased drying/curing time.

When top coating, keep in mind that white or light colored coatings will reflect nearly all solar rays and dry at a much slower rate than dark colored coatings. If you live in the northern hemisphere the best time to apply white products is the summer months when there is plenty of sunlight. In contrast, darker coatings absorb more sunlight and dry more quickly.
How to Waterproof Metal Roofs

Ames’ Iron Coat is our metal roof coating formulated especially for commercial and residential metal roofs, recreational vehicles (RV’s) and mobile homes. Ames’ Iron Coat has been designed specifically to waterproof and maintain your metal roof. With difficult surfaces, such as rusty metal or oxidized aluminum, Super Primer or Super Elasto-Barrier may be used as a primer that will optimize adhesion for Iron Coat to the metal surface.

1. Surface Preparation
Read all label instructions before beginning. Always run a test patch first in an inconspicuous area to ensure that proper adhesion and drying occurs and the product works to your satisfaction. The roof must be dry. Remove loose dirt, flaking rust, and debris from the roof surface. Do no use any soaps or detergents. Refasten any screws or nails that may have worked loose. Be sure surfaces are clean and dry before the coating application. Caulk all cracks greater than ⅛” wide with acrylic or butyl caulking or patching compound. Do not use any form of silicone whatsoever.

2. Seam Tape & Prime the Roof Surface
Prime with 1 or 2 coats of Super Primer or Super Elasto-Barrier until the roof surface is smooth and sealed. Surfaces with joints, cracks, flashings, vents, parapet wall flashings or where two unlike surfaces come together require Ames’ Seam Tape to provide some additional strength and reinforcement. For the best adhesion, prime all metal surfaces with Super Primer or Super Elasto-Barrier before applying the seam tape. Let cure so that it’s dry to the touch.

3. Pour it out & Paint it on
Apply Iron Coat as needed for a durable, elastomeric, thermo-reflective surface.

Better: 1 coat of Super Primer or Super Elasto-Barrier, then topcoat with 2 coats of Ames’ Iron Coat.
Best: 1-2 coats of Super Primer or Super Elasto-Barrier: Top coat with 3 coats of Ames’ Iron Coat or similar Ames’ product.
How to Waterproof and Seal Tar Roofs

1. Prepare the Roof Surface
Read all label instructions before beginning. Always run a test patch first in an inconspicuous area to ensure that proper adhesion and drying occurs and the product works to your satisfaction. Remove loose dirt and debris from the roof surface. Be sure surfaces are clean and dry before the coating application. Do not use any soaps or detergents. All major cracks, joints and seams should be caulked with Blue Max Trowel Grade liquid rubber. Do not use a silicone caulk. Follow seam taping instructions. Mask all sensitive areas before starting.

It is important to seam tape all joints and cracks to avoid future cracking and leaking. Apply Ames’ Peel & Stick Seam Tape (PS250, PS450, PS650) around flashings, vents and over joints and cracks. Refer to Ames’ Seam Tape label for application instructions. Do not use fiberglass or asphalt impregnated seam tape. For tape to work properly, it must be on a smooth surface.

2. Prime the Roof Surface
In some situations, you may want to apply roofing fabric to the surface. Roofing fabric adds substantial strength to the coating of roof surfaces.
Prime with Super Elasto-Barrier until roof surface is smooth and sealed. IMPORTANT: If using roofing fabric or the seam tape, prime roof completely smooth and watertight before applying roofing fabric or seam tape. See labels for Ames’ Contouring Roof Fabric for detailed instructions.

NOTE: Do not use roof fabric over tar & gravel roofs; it must be applied over a properly drained and smooth surface.

3. Topcoat the Roof
Apply 1-2 coats of Ames’ Maximum-Stretch or similar Ames’ product.

Good: 1-2 coats of Super Elasto-Barrier, 2 coats of Ames’ Maximum-Stretch or similar Ames’ product.

Better: 2 coats of Super Elasto-Barrier, topcoat with 2 coats of Ames’ Maximum-Stretch or similar Ames’ product.

Best: 3 coats of Super Elasto-Barrier; top with 2 coats of Ames’ Maximum-Stretch or similar Ames’ product.
How to Waterproof Rolled Roofing

Many times, old rolled roofing can get cracked or need re-coating to avoid any leakage. With Ames’ roof coating, your old rolled roofing will look as good as new. Our roof coating will close up any cracks, preventing water damage in your roof. It will also help reflect sunlight making it an energy saving investment. Turn your cracked old rolled roof into an efficient, waterproof, and flashy new surface!

1. Preparation for Rolled Roofing

Read all label instructions before beginning. Always run a test patch first in an inconspicuous area to ensure that proper adhesion and drying occurs and the product works to your satisfaction.

Be sure surfaces are clean and dry before the coating application. Remove loose dirt, moss, and debris from the roof surface. Do not use any soaps or detergents. IMPORTANT: Use caution while power washing. Replace any missing pieces of roofing.

2. Seam Taping with Ames’ Seam Tape

Apply Ames’ Seam Tape as needed. Fill and tape joints, skylights and metal flashing to the application surface. Before applying seam tape, prime with 1-2 coats of Ames’ Super Elasto-Barrier or until the surface is smooth and sealed. For additional strength, embed Roof Fabric (CRF250) into the Super Elasto-Barrier rubber coating. See Ames’ Contouring Roof Fabric label for instructions. For seam tape to work properly it must be on a smooth surface.

3. Topcoat

Topcoat with 1-3 coats of Ames’ Maximum-Stretch or as needed to complete application. For roof decks, topcoat with Ames’ Safe-T-Deck.
How to Waterproof a Plywood & Concrete Roof Deck

Roof decks, by definition, are decks that exist over living areas. It used to be that roof deck applications were quite expensive to build and had a multitude of waterproofing problems and applications. All that has changed with Ames’ premium, water-based, environmentally friendly, elastomeric, waterproof, acrylic and rubber coatings. There really is nothing else quite like it out there.

1. Preparation for Roof Decks
Read all label instructions before beginning. Always run a test patch first in an inconspicuous area to ensure that proper adhesion and drying occurs and the product works to your satisfaction. It is suggested that if the plywood has not been installed, to coat the plywood on all sides with one coat of Super Elasto-Barrier. Super Elasto-Barrier is a pure liquid rubber coating designed to resist water. The product impregnates the wood with rubber that will stretch with the wood movement. Remove all loose paint, dirt, oil and grease leaving the surface clean and dry. Do not use any soaps or detergents. All major cracks, joints and seams should be caulked and filled with an Ames’ Blue Max Trowel Grade coating and filler. Do not use any silicone caulk. Make sure the surface is as smooth as possible. Difficult surfaces such as concrete, vinyl or EPDM Rubber require one or two coats of Super Primer for adhesion to the surface. You may paint, roll, or spray onto the surface.

2. Seam Taping with Ames’ Seam Tape
All surfaces with joints, cracks, flashings or where two unlike surfaces come together should be seam taped. Seam taping is done to provide additional strength and reinforcement. Ames’ Peel & Stick Seam Tape is ideal for plywood roof decks and other smooth surfaces. For the tape to work properly, it must be on a smooth surface.

3. Roof Fabric Application
After seam taping, the next step is to embed roof fabric for long-term strengthening of the roof deck. (For more information on the application of Roof Fabric, please go to page 15.)

4. Topcoat the Roof Deck with Safe-T-Deck
Topcoat the roof deck with Safe-T-Deck or Liquid Granite. Topcoat with 2 coats of Safe-T-Deck granulated safety paint as needed to properly seal the entire surface to a watertight system. Seam taping over edges with seam tape and shaping corners and joints will finish your application.

5. Concrete Roof Deck
How to Waterproof Rubber & EPDM Roofs

Read all label instructions before beginning. Always run a test patch first in an inconspicuous area, to ensure that proper adhesion and drying occurs and the product works to your satisfaction. Be sure surfaces are clean and dry before the coating application. Do not use any soaps or detergents.

Remove loose dirt, granules, moss, and debris from roof surface. IMPORTANT: Use caution while power washing. Replace any missing pieces of roofing.

1. Prime the Roof Surface with Super Primer
Prime with 1 or 2 coats of Super Primer or until the roof surface is sealed. Allow primer to dry completely clear. Seam tape surfaces with joints, cracks, flashings, vents, parapet wall flashings, or where two unlike surfaces come together, to provide some additional strength and reinforcement. Peel & Stick is applied over the Super Primer after it has dried. To apply Peel & Stick simply: 1) Peel off the protective backing; 2) Line up the tape with the seam; 3) Press into place, using your finger to shape the tape with the contours of the surface. For tape to work properly, it must be on a smooth surface.

2. Apply Ames’ Super Elasto-Barrier®
Apply two coats of Ames’ Super Elasto-Barrier dual-rubber coating. Super Elasto-Barrier is up to 1000% elastic to expand and contract with the roof surface.

3. Topcoat with Ames’ Maximum-Stretch®
For best results, topcoat the Super Elasto-Barrier with two coats of Ames’ Maximum-Stretch roof coating. Maximum-Stretch, when applied in white, reflects 98% of the sun’s heat and UV rays. It will substantially reduce roof temperatures, saving on cooling costs.

Estimated Coverage
Standard product coverage on a smooth surface is 100 sq. ft. per gallon (est. 10 ml). More than one coat is recommended; more coats equal longer life.
How to Waterproof a Deck

Read all label instructions before beginning. Always run a test patch first in an inconspicuous area to ensure that proper adhesion and drying occurs and the product works to your satisfaction. Be sure surfaces are clean and dry before the coating application. Do not use any soaps or detergents.

Use Safe-T-Deck as a topcoat to seal and save old decks and to make slippery surfaces safe. Liquid Granite is an attractive granite-looking coating that may also be used as a topcoat on decks, roof decks, and many other surfaces.

1. Prepare the Surface
Power wash is recommended for best results. Remove old coatings which are delaminating or lifting. All surfaces must be clean and completely dry before beginning application.

2. Prime the Surface (Plywood Deck)
Prime the surface with Super Elasto-Barrier using a paint brush or roller. Apply Roof Fabric and Seam Tape according to label instructions with Super Elasto-Barrier at a rate of 2-3 gallons per 100 square feet. Product begins to dry in about 2-4 hours, and for the best results there should be a minimum of 24 hours between coats or until completely dry.

For Dimensional Lumber Decks
For best results, power wash or sand surface down to bare wood, remove any loose and flaking material. Allow to completely dry. If possible, seal the sides of wood decking boards when spacing permits, as well as top and ends. Prime surface with 1 coat of Ames’ Super Primer at a rate of 1-gal. per 200 sq. ft. per coat. Let the primer dry completely clear, about 30 minutes to a hour. Then 1-2 coats of Ames’ Super Elasto-Barrier (optional). Then a minimum of 24 hours between coats or until completely dry.

3. Topcoat with Safe-T-Deck or Liquid Granite
You may apply 2-3 coats of Safe-T-Deck or Liquid Granite over Super Elasto-Barrier or Super Primer. Allow proper drying time. For specific applications, contact our technical staff at 1-888-345-0809, M-F, five days a week.
How to Waterproof a Concrete Roof

1. **Surface Preparation**
   Power wash the surface area of the roof to remove most of the loose material. Use caution so as not to damage any interior areas of the building due to roof leakage. You may need to roughen the surface. Fill any large cracks and crevices with Blue Max Trowel Grade. Do not use any soaps or detergents.

2. **Prime the Surface**
   Prime the roof with 1-2 coats Ames’ Super Primer. Ames’ Super Primer will dry rapidly and will flow into the cracks and crevices of the concrete rooftop. Let the primer dry completely clear, about 30 minutes to an hour. It will bond to the concrete with remarkable adhesion. Super Primer has an affinity for concrete and it actually glues together and strengthens old concrete surfaces.

**Seam Tape**
Next, seam tape all remaining cracks larger than ⅛". Ames’ Peel & Stick Seam tape comes in 2, 4, and 6 inch widths by 50-foot rolls. This rubber tape contours easily to the surface and will adhere to the primed surface. Once applied, the seam tape will be difficult to remove. For tape to work properly it must be on a smooth surface.

3. **Apply Ames’ Super Elasto-Barrier**
   Prime the surface with Ames’ Super Elasto-Barrier using a paint brush or roller at a rate of 2-3 gallons per 100 square feet. Begins to dry in about 2-4 hours and for best results, a minimum of 24 hours between coats or until completely dry.

**Ponding Water Situations**
In areas of ponding water, apply Ames’ Super Elasto-Barrier dual-rubber coating. A minimum of two gallons per 100 sq. ft. is recommended in most situations.

4. **Topcoat the Surface**
   Apply Ames’ Maximum-Stretch roof coating. Two to three gallons per 100 sq. ft. is recommended for most situations.
How to Waterproof a Leaking Interior Basement

1. Surface Preparation
The wall surface must be clean, dry, with no loose material. Loose or peeling paint should be removed with a wire brush and rough wood surfaces sanded. Concrete surfaces may be prepared by using a disc grinder and carborundum disc, or by sand blasting. Do not apply over wet, loose or crumbling concrete. Repair the concrete and allow to cure completely.

2. Prime the Surface and Seam Tape Joints and Cracks
Prime the surface with Ames’ Blue Max Liquid Rubber. It is important to seam tape all joints and cracks to avoid future cracking and leaking. For the best adhesion prime all surfaces with Ames’ Blue Max before applying seam tape. For tape to work properly, it must be on a smooth surface.

3. Application
Ames’ Block & Wall Liquid Rubber or Ames’ Blue Max may be applied by brush, roller or sprayer. No need to shake or stir, product comes ready to use right out of the can. Apply a minimum of one gallon per 100 sq. ft. per coat. Two coats minimum, three to four is superior. The application must be applied in a continuous, unbroken seal of a minimum dry thickness of no less than 30 mils (the thickness of a dime) over the entire surface.

GOOD: Prime concrete surface with 1-2 coats of Ames’ Blue Max and then apply 1 or more coats of Ames’ Block & Wall Liquid Rubber or Ames’ Paint & Prime.
BETTER: Prime concrete surface with 1-2 coats of Ames’ Blue Max and then apply 2-3 coats of Ames’ Block & Wall liquid Rubber or Ames’ Paint & Prime.
BEST: This type of heavy-duty application is normally used when applied on an interior below-grade surface where a severe waterproofing situation might exist. This procedure is generally used on new commercial building applications where long-term heavy-duty applications might be required. The very best product application is five gallons per 100 sq. ft. or three to five coat application systems necessary for long-term waterproofing. On above-grade applications apply two to three coats of Ames’ Blue Max followed by two coats (2 gallons per 100 square feet) of Ames’ Block & Wall Liquid Rubber or Ames’ Paint and Prime.

Below-grade Foundations:
Ames’ Blue Max or Ames’ Block & Wall Liquid Rubber can also be used for exterior below-grade foundations that have contact with soil. Apply 2-3 coats and allow proper drying time between coats. Mechanically protect the barrier from the backfill with thick plastic sheeting, hard plastic, dimple board or landscape fabric.
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