UNIVERSAL 1023 produces a durable, polymer-modified, high-strength and water-resistant decorative finish when applied directly over vertical concrete and masonry surfaces.

SURFACE PREPARATION
Concrete and masonry surfaces must be sound, clean, dry and have a rough profile. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, laitance, curing compounds, form release agents, rust, paint or any other foreign material which might affect the bond. Chemical cleaning methods include detergents, acid etching, chemical strippers, paint removers and degreasers. After a chemical cleaning, be sure to neutralize the surface and rinse thoroughly.

Smooth Surfaces
A rough profile is recommended for proper adhesion and may be obtained by shot-blasting, scarifying, sand-blasting, scabbling and water-blasting. After mechanical cleaning, remove any loose material by vacuuming.

PRIMING
Vertical surfaces will be easier to work and yield a better bond if they are primed with Umaco Addmix-21 prior to the placement of the Universal 1023. For demanding applications, Umaco Bond All Exterior may be applied to the surface (in lieu of Addmix-21) in order to achieve exceptional bond strength.

Concrete Block and Brick
Differential suction between concrete masonry units (blocks or bricks) and the mortar joints may cause “photographing or ghosting” of the joint patterns after periods of rain. To ensure even absorption of Universal 1023, apply a coat of Umaco Transeal Clear then allow to dry for at least 24 hours before applying Universal 1023. When using Transeal Clear, do not first apply Addmix-21 or Bond All Exterior.

MIXING
Mix each 50# bag of Universal 1023 with approximately 4-1/2 quarts of clean potable water. Add dry material (gradually) to water mixing completely for 1-2 minutes to form a creamy, lump free consistency. For best results, mechanical mixing is preferred using a 1/2” drill (500-650 rpm) with a jiffy mixer. Only mix enough material that can be placed within 15-20 minutes.

For a slower set time, add one pack of Universal 1023 Retarder (approx. one teaspoon) to each 50# bag of Universal 1023 while mixing.

APPLICATION
Apply a thin coat with a stainless steel trowel over the entire area within the control joints or within the area being worked, firmly pressing the material into all voids and pores. Immediately double back and apply a second coat to produce a level surface (with no trowel marks) at a minimum of 1/8” to a maximum of 1/2”. Finish the entire panel or work area in one application with no overlaps or cold joints. After the material firms, additional coats may be applied to obtain the desired thickness. If more than one hour has elapsed between coats, prime the surface with Umaco Bond All Exterior. When material sets, float or finish to obtain desired texture.

CURING
When working in direct sunlight, high temperatures, extremely windy conditions or over very porous surfaces, lightly mist with water until material sets to prevent a quick dry out.

Umaco Color-Seal
Universal 1023 can be top-coated after 24 hours with Umaco Color-Seal which is a decorative stain/sealer available in a wide variety of colors.

COVERAGE
Approximate coverage per each 50 pound bag of Universal 1023:

<table>
<thead>
<tr>
<th>Average Depth</th>
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<tbody>
<tr>
<td>1/4”</td>
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SPECIAL INFORMATION
Universal 1023, like other natural materials such as stone, slate & wood has color & texture variations. Variations in color are due to method of application, job conditions, thickness & texture of the finish coat. Ultimately, it’s the applicator’s skill in manipulating the mix that determines the look of finish.

PRECAUTIONS
- Apply only when the ambient and surface temperatures are above 45°F and will remain so for at least 12 hours after application.
- Do not apply if rain, snow or any precipitation is expected within 24 hr
- All control and expansion joints must be carried through
- Universal 1023 can be blended with most mortar & cement colors as long as the instructions from the color manufacturer (regarding dosage rates & proper use) are followed
- Review Safety Data Sheet before using this product.

For technical assistance call 978-453-8881
www.umaco.com

The Professional’s Choice
UNIVERSAL 1023 produces a durable, polymer-modified, high-strength and water-resistant decorative finish when applied directly over vertical cement-board.

SURFACE PREPARATION
Properly fasten the cement board following the manufacturer’s instructions or as per the specifications of the chosen installation system. Cement-board must be sound, clean and dry. Remove all dirt, dust or any other foreign material which might effect the bond. Prime the entire area with Umaco Bond All Exterior. Then using alkaline resistant tape, cover all joints. Completely embed the alkaline resistant tape using Universal 1023. Allow to cure at least 12 hours before applying finish coat.

PRIMING
In order to achieve exceptional bond strength, cement-board must be primed with Umaco Bond All Exterior. Apply by brush or roller. Proper application should produce a thin continuous film. Allow Umaco Bond All Exterior to dry sufficiently to become slightly tacky before applying finish coat of Universal 1023. Umaco Bond All Exterior can be allowed to dry completely since it is re-emulsifiable; however, the water sensitivity does decrease with time and the mixed Universal 1023 should be applied within seven days as long as the Umaco Bond All Exterior remains clean, dust free and intact.

MIXING
Mix each 50# bag of Universal 1023 with approximately 4-1/2 quarts of clean potable water. Add dry material (gradually) to water mixing completely for 1-2 minutes to form a creamy, lump free consistency. For best results, mechanical mixing is preferred using a 1/2” drill (500-650 rpm) with a jiffy mixer. Only mix enough material that can be placed within 15-20 minutes.

For a slower set time, add one pack of Universal 1023 Retarder (approx. one teaspoon) to each 50# bag of Universal 1023 while mixing.

APPLICATION
Apply a thin coat with a stainless steel trowel over the entire area within the control joints or within the area being worked, firmly pressing the material into all voids and pores. Immediately double back and apply a second coat to produce a level surface (with no trowel marks) at a minimum of 1/8” to a maximum of 1/2”. Finish the entire panel or work area in one application with no overlaps or cold joints. After the material sets, additional coats may be applied to obtain the desired thickness. If more than one hour has elapsed between coats, prime the surface with Umaco Bond All Exterior. When material sets and will not lift, float or finish to obtain the desired texture.

CURING
When working in direct sunlight, high temperatures, extremely windy conditions or over very porous surfaces, lightly mist with water until material sets to prevent a quick dry out.

Universal 1023 can be blended with most mortar & cement colors as long as the instructions from the color manufacturer (regarding dosage rates & proper use) are followed.

PRECAUTIONS
- Apply only when the ambient and surface temperatures are above 45°F and will remain so for at least 12 hours after application.
- Do not apply if rain, snow or any other precipitation is expected within 24 hours.
- All control and expansion joints must be carried through.
- Review Safety Data Sheet before using this product.

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UNIVERSAL 1023 produces a durable, polymer-modified, high-strength and water-resistant decorative finish when applied over dry-stacked concrete masonry units.

SURFACE PREPARATION
Lay the first course of concrete block conventionally so that the wall will start level and plumb. Cut the joints flush and allow them to set for 12 hours. Dry-stack clean, new block in a running bond pattern for maximum strength unless otherwise specified. Remove any burrs or irregularities being careful to keep the stacked blocks level and plumb. Concrete and masonry surfaces must be sound, clean, dry and have a rough profile. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, laitance, curing compounds, form release agents, rust, paint or any other foreign material which might effect the bond. Chemical cleaning methods include detergents, acid etching, chemical strippers, paint removers and degreasers. After a chemical cleaning, be sure to neutralize the surface and rinse thoroughly.

Smooth Surfaces
A rough profile is recommended for proper adhesion and may be obtained by shot-blasting, scarifying, sand-blasting, scabbling and water-blasting. After mechanical cleaning, remove any loose material by vacuuming.

PRIMING
Vertical surfaces will be easier to work and yield a better bond if they are primed with Addmix-21 prior to the placement of the Universal 1023. For demanding applications, Umaco Bond All Exterior may be applied to the surface (in lieu of Addmix-21) in order to achieve exceptional bond strength.

MIXING
Mix each 50# bag of Universal 1023 with approximately 4-1/2 quarts of clean potable water. Add dry material (gradually) to water mixing completely for 1-2 minutes to form a creamy, lump free consistency. For best results, mechanical mixing is preferred using a 1/2" drill (500-650 rpm) with a jiffy mixer. Only mix enough material that can be placed within 15-20 minutes.

For a slower set time, add one pack of Universal 1023 Retarder (approx. one teaspoon) to each 50# bag of Universal 1023 while mixing.

APPLICATION
Using a stainless steel trowel, apply a thin coat of the mixed material (over both sides of the wall) firmly pressing the material into all voids and pores. Immediately double back and apply a second coat to produce a level surface at a minimum thickness of 1/4" up to a maximum thickness of 1/2". When material sets and will not lift, float or finish to obtain the desired texture.

CURING
When working in direct sunlight, high temperatures, extremely windy conditions or over very porous surfaces, lightly mist with water until material sets to prevent a quick dry out.

Universal 1023 can be blended with most mortar & cement colors as long as the instructions from the color manufacturer (regarding dosage rates & proper use) are followed.

PRECAUTIONS
- Apply only when the ambient and surface temperatures are above 45°F and will remain so for at least 12 hours after application
- Do not apply if rain, snow or any other precipitation is expected within 24 hours
- Universal 1023 can be blended with most mortar & cement colors as long as the instructions from the color manufacturer (regarding dosage rates & proper use) are followed
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SPECIAL INFORMATION
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www.umaco.com

Umaco Color-Seed
Universal 1023 can be top-coated after 24 hours with Umaco Color-Seed which is a decorative stain/sealer available in a wide variety of colors.
UNIVERSAL 1023 produces a durable, polymer-modified, high-strength and water-resistant decorative finish when applied directly over rigid insulation board.

**SURFACE PREPARATION**
Properly install the rigid insulation board as per the instructions provided by the rigid insulation board’s manufacture or as per the specifications of the chosen installation system. Rigid insulation board must be sound, clean and dry. Roughen the surface of the rigid insulation board with a wire brush. Remove all dirt, dust or any other foreign material which might affect the bond. Prime the entire area with Umaco Bond All Exterior. Then using alkaline resistant fiberglass mesh, cover all joints. Completely embed the alkaline resistant fiberglass mesh using Universal 1023. Allow to cure at least 12 hours before applying finish coat.

**MIXING**
Mix each 50# bag of Universal 1023 with approximately 4-1/2 quarts of clean potable water. Add dry material (gradually) to water mixing completely for 1-2 minutes to form a creamy, lump free consistency. For best results, mechanical mixing is preferred using a 1/2” drill (500-650 rpm) with a jiffy mixer. Only mix enough material that can be placed within 15-20 minutes. For a slower set time, add one pack of Universal 1023 Retarder (approx. one teaspoon) to each 50# bag of Universal 1023 while mixing.

**APPLICATION**
Using a stainless steel trowel, apply a thin coat of Universal 1023 over the properly prepared rigid insulation board then immediately double back applying the Universal 1023 to the desired thickness. Apply Universal 1023 with a minimum thickness of 1/8” up to a maximum thickness of 3/8”. When material sets and will not lift, float or finish to obtain the desired texture.

**CURING**
When working in direct sunlight, high temperatures, extremely windy conditions or over very porous surfaces, lightly mist with water until material sets to prevent a quick dry out. Umaco Color-Seal
Universal 1023 can be top-coated after 24 hours with Umaco Color-Seal which is a decorative stain/sealer available in a wide variety of colors.

**PRECAUTIONS**
- Apply only when the ambient and surface temperatures are above 45°F and will remain so for at least 12 hours after application
- Do not apply if rain, snow or any other precipitation is expected within 24 hours
- Universal 1023 can be blended with most mortar & cement colors as long as the instructions from the color manufacturer (regarding dosage rates & proper use) are followed
- Review Safety Data Sheet before using this product.

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