

LEGGARI WB PRIMER

Technical Data Sheet

PRODUCT DESCRIPTION

Leggari WB Primer is a two component water based pigmented Primer formulated to be used under Leggari Metallic Epoxy to produce extreme adhesion as well as a pigmented sub straight to minimize undesired colors from ghosting through the Metallic Epoxy.

USES

Leggari WB Primer is designed to be used on concrete, metal, masonry, formica, granite, marble, corian or wood. WB Primer is recommended for use specifically in conjunction with Leggari Metallic epoxy.

COLORS

White
Black
Light Gray
Brown

PACKAGING

- 21 oz kit
- 1.5 gal kit

PREPARATION

Surface must be properly prepared using industry standard shot blasting, grinding, or pressures washing (in certain applications). For exact preparation instructions for your specific project, refer to our tutorial videos and installation guidelines.

APPLICATION

MIXING

1.5 gallon kit

- Make sure cap is secure on Part B and shake to agitate any settled pigment.
- In a clean bucket pour in Part A and Part B.
- Mix Part A and Part B together using an electric drill at low speed for 3-4 minutes, scraping the edges and bottom with a stir stick.
- Pour 20 oz. of clean water into the empty Part B container, put the lid back on, and shake thoroughly. Then pour the water into the mixed primer and mix for another minute.

21 oz. kit

- Make sure cap is secure on Part B and shake to agitate any settled pigment.
- In a clean quart mixing container pour in Part A and Part B.
- Mix Part A and Part B together using a paint stir stick for 3-4 minutes scraping the edges and bottom with the stick.
- Pour 2 oz. of clean water into the empty Part B container, put the lid back on, and shake thoroughly. Then pour the water into the mixed primer and stir for another minute.

ADVANTAGES

- Water-Based
- Moisture Tolerant
- Long Pot Life
- Chemical Resistant
- USDA & FDA Compliant
- Medium Gloss
- Very Durable
- Easy to Use
- Very Fast Drying
- No Induction Time

INSPECTION

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion.

-For concrete application, surface must be rough or porous.



Coverage

Coverage will vary depending on the mil thickness applied and the porusness and texture of the surface.

As a primer: 500-700 sq. ft. per 1.5 gallon kit or 50-100 sq ft per 21 oz kit should be a close estimate for how far the primer will go.

Dry time

You can apply Leggari Metallic Epoxy over the primer within 45 minutes to 2 hours, but no later than 2 hours. All times are based on average temperature of 70°F and 50% humidity. Hotter temperatures will increase drying time.

LIMITATIONS

- Be sure to adequately prepare the surface.
- Be sure to measure and mix properly.
- Do not apply in temperatures below 50°F or above 90°F. Hot or cold weather may effect dry times.
- Do not allow water to come into contact during the curing time of the primer.
- Do not allow Leggari products to freeze.

TECHNICAL PROPERTIES

	Clear	Pigmented
Tack Free over concrete @72°F	1 hr.	.25 hr.
Foot Traffic over concrete @72°F	2 hr.	1.5 hr.
Foot Traffic-sealed surface @72°F	5 hr.	3.25 hr
Wheel Traffic	72 hr.	72 hr.
Pot Life (Gel Time) 150 gm @72 °F	1-1.5 hr.	1-1.5 hr.
Heat Resistance (constant)	180°F	180°F
Heat Resistance (intermittent)	220°F	220°F
Adhesion on steel ASTM D3359	5	5
Adhesion on concrete ASTM D3359	4	5
Impact Resistance in-lbs direct/reverse	50/4	50/4
Hardness Shore D (ASTM D2240)	79	79
Pencil Hardness	2H	2H
Reducer/Clean Up		
1/4 in mandrel bend	Warm Soapy Water	

CHEMICAL RESISTANCE

	Clear & Pigmented
Muratic Acid (31.5% HCL)	2
Sulfuric Acid (50% H2SO4)	4
Sulfuric Acid (93% H2XO4)	1
Nitric Acid (10% HNO3)	2
Sodium Hydroxide (50% NaOH)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	2
Transmission Fluid	5
Gasoline	5
Brake Fluid	5
409 Surface Cleaner	5

Applying Product

- Dip and roll application using 3/8" nap roller.
- For exact preparation instructions for your specific project, refer to our tutorial videos and installation guidelines.

Clean up

Uncured material should be removed with soap and warm water. Cured material should be removed mechanically, or with an environmentally-safe solvent.

HEALTH PRECAUTIONS

- Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Prolonged or repeated skin contact can cause slight skin irritation.
- Be careful not to get on skin, clothes or in eyes. Glove and respirators are strongly recommended. Avoid breathing vapors. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

PHYSICAL PROPERTIES

Chemical Composition	Waterborne Solid Epoxy Resin Dispersion	
	Clear	Pigmented
Weight/gal (mix)	9.0	10.1
Gloss @60 Degree	68	39
Solids %/wt (mix)	49	60
Solids %/vol (mix)	43	49
Viscosity cPs (mix)	223	400
Viscosity KU (mix)	53	63
VOC gm/l (mix)	3.1	5.4
Shelf Life	1 year	1 year
Color (gardner)	NA	NA



Pine Sol Solution	5
Blood & Body Fluids	5
Iodine Solution	5
Mustard	5/5s
Ketchup	5/5
Red Wine	5/5
Acetone	4
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Ethanol	5
Methanol	5

KEY:

5 = Best (no effect)
 4 = Softens (recovers)
 3 = Softens (no recovery)
 2 = Blistered (no recovery)
 1 = Worst Destroyed
 s = With Stain
 *Contact time > 5 hrs = 1

DISCLAIMER

PRODUCT FAILURE DUE TO IMPROPER INSTALLATION OR DEVIATION FROM THE RECOMMENDED USES &/OR APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR/INSTALLER TO COVER THE PRODUCT COST, AND LABOR.

IN THE CASE OF A PRODUCT DEFECT BEING THE REASON, A JOINT WARRANTY WOULD COME INTO EFFECT. IF THIS WERE TO TAKE PLACE LEGGARI PRODUCTS LLC WOULD REPLACE THE PRODUCTS SOLD (NOT TOOLS & EQUIPMENT) AND THE CONTRACTOR OR INSTALLER WOULD COVER THE LABOR.

Prepared by:
 Revision Date:

LEGGARI PRODUCTS LLC
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