

ZeraClad™ V-100HB

High Build 100% Solids Epoxy Wall Coating

DESCRIPTION

ZeraClad V-100HB is a high-build two-component, 100% solids epoxy wall coating that provides an aesthetically pleasing high gloss show-room quality finish. It combines toughness, durability and chemical resistance.

WHERE TO USE

ZeraClad V-100HB is highly recommended as a wall coating for laboratories, shower rooms, change rooms, hospitals and warehouse facilities, food and meat packaging plants, breweries, recreational facilities, underwater fountains and pharmaceutical plants.

It is also recommended for concrete blocks in areas subjected to high humidity; ZeraClad™ V-100HB must be used in conjunction with ZeraDite™ W. No primer is needed over existing epoxy coating.

BENEFITS

- 100% solids with no offensive odors, zero VOC's
- Durable seamless surface that is easy to clean
- Mildew resistant; waterproof
- High gloss
- Good colour stability for interior applications
- Good abrasion resistance
- Excellent hiding power
- Resistance to water immersion
- Can be reinforced with fiberglass fabric
- Good resistance to common chemicals

Handling Properties (@ 23°C (74°F))

Mix Ratio, by volume	2 parts A: 1 part B
Solids Content	100%
Density	1.44 kg/litre (12 lb./ U.S. gal)
Viscosity (mixed).....	(thixotropic) 3000 cps
Pot Life	40 minutes
Thin film set time	16 hours
Full Cure	7 days

APPLICATION

SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying ZeraClad V-100HB. The substrate must be above 10°C (50°F) and must be free of all dirt, waxes, previously applied coatings, oil, grease, laitance and any foreign matter that may interfere with the bond of the coating to the prepared substrate. Cracks and surface defects should be repaired prior to the application of the coating.

AREA PREPARATION

For optimal performance, both the coating and substrate should be maintained at 18° to 30° C (68° to 86°F) for 24 hours prior to beginning work. The same temperature range should be maintained during mixing, application and cure.

MIXING

ZeraClad V-100HB must be conditioned to a temperature of between 20°-30°C (68°-80°F) prior to mixing. The mixing equipment used to mix the coating must be clean and free of any contaminants that may be present in the equipment from previously used products. Mix component A first to eliminate the possibility of settlement. Add Part "B" hardener to Part "A" base container and mix until uniform. A 'Jiffy Mixer' on a slow speed drill is the preferred method of mixing. Mix the blended components for 2 minutes, and use the material immediately. ZeraClad™ V-100HB may be thinned with ZeraSol™ B-55 (3%) to lower the viscosity, slow the curing (the buildup) thus allowing easier application of the coating to address the details of the wall.

APPLICATION

Pour a workable amount of the mixed material into a paint tray and apply to the surface using a lint free 5 mm nap roller. Two coats are recommended. Apply the second coat in the same manner as the first. The second coat must be applied within 24 hours. If applied after 24 hours, the first coat must be sanded prior to application of the second coat.

LIMITATIONS

Do not apply **ZeraClad** HB V-100 if:

- the substrate and ambient temperature are below 10°C (54°F)
- you must use a damp surface primer (such as ZeraDite™ or ZeraPrime™ 95DS).
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COVERAGE (THEORETICAL)

200 ft² per U.S. gallon per coat. A minimum of 2 coats are required (primer plus topcoat). Coverage is dependent on surface porosity.

PACKAGING

3.79 L (1 U.S. gallon)

CLEAN UP

Clean all equipment and installation tools immediately with xylene or acetone.

STORAGE

Store in a heated warehouse.

SHELF LIFE

Two years from the date of manufacture if kept in original unopened containers under normal heated warehouse conditions.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions.

WARRANTY

“The recommendations made and the information herein is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Zeraus Products Inc. makes no warranties, expressed or implied, as uses and applications are beyond our control. Zeraus Products Inc. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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