

# ZeraClad™ V-100

## General Purpose Epoxy Wall Coating

### DESCRIPTION

ZeraClad™ V-100 is a 100% solids, two component general purpose epoxy wall coating with good chemical and wear resistance.

### WHERE TO USE

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

### BENEFITS

- 100% solids with no offensive odors, zero VOC's
- Mildew resistant
- Excellent bond to concrete and steel
- good abrasion resistance
- Resistance to water immersion
- Apply by brush or roller
- Good resistance to diluted acids and common chemicals
- Approved by the "Canadian Food Inspection Agency" to be used in food processing facilities

### Handling Properties (@ 23°C (74°F))

Mix Ratio, by volume	3 parts A: 1 part B
Solids Content	100%
Mixed Weight (Density)	1.6 kg/litre (13.3 lb./ U.S. gal)
Viscosity (mixed)	(thixotropic) 4,500 cps
Pot Life	40 minutes
Thin film set time	16 hours
Full Cure	7 days

### DATA - Cured Film

Tensile Adhesion (ASTM D4541)	Concrete Failure
Hardness (Shore D Scale) (ASTM D2240-86)	80
Abrasion Resistance (ASTM D4060).....	118 mg loss
Taber Abrasion, C-17 wheel, 1000 cycles	
Impact Resistance (ASTM D2794)	150 in./lb.

### APPLICATION

#### SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying ZeraClad™ V-100. 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. All concrete and steel surfaces to be treated should be cleaned to provide a clean tooth for the coating application.

#### MIXING

ZeraClad™ V-100 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 a **minimum** of 2 minutes, and place material immediately.

#### 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. Care should be taken not to overroll the material as air may become entrapped in the coating. 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™ V-100 if:

- the substrate and ambient temperature are below 18°C (65°F)
- do not apply to a saturated surface or a damp surface
- may lose gloss under water immersion if chemicals are present (normal for epoxy coatings)
- not resistant to chlorine (not recommended as a pool paint)
- lighter colors may slightly discolor when exposed to light (normal for epoxy coatings)

**COVERAGE (THEORETICAL)**

240 ft<sup>2</sup> per U.S. gallon per coat A minimum of 2 coats is required.

**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. Do not freeze.

**SHELF LIFE**

Three 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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