

CLADSEAL™ PRIMER

a product of
CLADLINER™
THE NEXT GENERATION HYBRID EPOXY



CLADSEAL Primer: a single-component polymer primer formulated to provide base coat adhesion promotion prior to applying polymers concrete, steel and other substrates. Provides an excellent cross-link with added adhesion and wetting assistance. Especially formulated for quick and rapid drying.

CLADSEAL Primer: Formulated to assist in the adhesion of coating applications, adhesives, and other epoxies; particularly improves the adhesion of elastomers.

CLADSEAL Primer: One-component, rapid dry time, low viscosity, surface tolerant, easy to apply by roller, brush or spray.

Film Thickness & Theoretical Coverage

CLADSEAL Primer may be applied at 25 - 50 microns (1 - 2 mils). 21 m²/kg. 50 microns (225 ft²/kg. at 2 mils DFT). Actual coverage will depend on surface conditions, irregularities, and surface profile.

Storage & Handling

Shelf life: 24 months, sealed. Store in a dry area away from direct sunlight. The material should be conditioned to between 24 °C (75 °F) and 35 °C (95 °F) before use.

Surface Preparation:

The success of any coating application is directly proportional to the completeness of the substrate preparation. Surface must be clean, sound and properly profiled. Verify that the temperature of the surface is at least 3 degrees C (5 degrees F) higher than the dew point temperature to preclude condensation.

Metal: Before preparing steel, inspect and remove oil, grease, or other contaminants - "Solvent Cleaning" (SSPC-SP1) may be required. Grind any weld spatter or inconsistencies. Abrasive blasting (or other approved mechanical methods) to SSPC-SP6/NACE 3 "Commercial Blast Cleaning" must be utilized in order to achieve a clean surface with a minimum profile of 75 microns (3 mils). Remove dust and debris by high compressive air; or solvent cleaning (SSPC-SP1) may be required again.

Concrete: Remove all oil, dirt, and contaminants and prepare the concrete by abrasive blasting, high pressure water blasting, jetting and/or approved mechanical methods to SSPC SP-13/NACE No. 6 "Surface Preparation of Concrete." Surface should be dry and free of dust; substrate should be sound, a pH of 7 or above, and profiled to a minimum ICRI CSP 4.

Equipment

Brush: wide brush with short hair bristle.

Roller: mohair roller. Only use high quality Purdy® Golden Eagle™ brands or similar.

Spray: Not recommended to spray.

Application:

CLADSEAL Primer is ideally suited as primer to enhance bond or wetting capabilities for polymers on challenging surfaces. Supplied in one (1) container as a unit. Agitate thoroughly with a power agitator. Apply thin and back roll/brush many times to ensure thin coat. Too much primer may adversely effect the adhesion of top coats (do NOT apply thick, avoid pooling).

Thinning

Thinning is not recommended.

Volume Capacity & Color

A unit is a single-component. The volume capacity of a 1 kg of mixed CLADSEAL Primer is 1.05 Liters.

CLADSEAL Primer is available in: N/A (Clear)

Technical Properties

Mix Ratio	N/A
Solids by Weight	20 - 30%
Pot Life @ 25C (77F)	2 hrs. once opened
Gel Time @ 25C (77F)	5-10 min.

Limitations

IMPORTANT: MUST KEEP CONTAINER CLOSED when not being used. Apply in good weather when air and surface temperatures are above 19°C (65°F). For optimum application properties, condition the material to 21 °C (70 °F) - 38 °C (100 °F) temperature range prior to mixing and application. Apply thin (not to exceed 2 mils, 50 microns), as excess will adversely affect cure and drying time.

Warning:

KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY BY A QUALIFIED TECHNICIAN. Consult the Material Safety Data Sheet for further health and safety information.

CLADLINER warrants our products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING SALEABLE OR SUITABLE FOR A PARTICULAR PURPOSE.