

Technical Data Sheet  
TDS-1296-01777

# VEP™

Vinyl Ester Primer



Building  
&  
Transportation



Oil, Gas  
&  
Industrial



Offshore  
&  
Onshore



Water  
&  
Wastewater



## PRODUCT DESCRIPTION

The CTech-LLC® VEP™ is a 2-component, vinyl ester primer for use as a prime coat when making frp based composite parts and gfrp lining of structures.

The CTech-LLC® VEP™ works as a primer of one of the surfaces of the laminate, providing protection against chemicals, weathering, humidity or any aggression from the environment.

## ADVANTAGES

- Penetrating for strong adhesion
- Resistant to many aqueous chemicals, oils, fats
- Air-cure: No wax or air inhibitor required
- Easy to apply: spray, brush or roll on

## TYPICAL USES

- VEP™ vinyl ester primer is designed as primer coat in many composite applications including resurfacing molds, marine construction and repair, and corrosion protection for tank lining and piping.

## PHYSICAL PROPERTIES

Chemical Base	Vinyl Ester Resin
Mixing Ratio (by weight)	100:50 Part A: 100 Part B: 50
Density	1.1 g/cm <sup>3</sup>
Viscosity (Mixed Product)	350-450 cps
Pot Life	30 Minutes at 24° C
Tack-Free, Hard Finish	3-4 hours at 24° C
Shelf Time	Resin: 4 months Hardner: 12 months
Storage Condition	Stored in a dry area at 21°C.

## INSTALLATION PROCEDURE

### PREPARATION OF SUBSTRATE

- All the surfaces must be cleaned from dirt, grime, dust, curing compounds, oils, grease, waxes and all the other contaminated materials which may cause voids behind systems. An industrial

vacuum cleaner must be used to remove dust and dirt. All the surfaces need grinding, Sandblasting, shot blasting, pressure wash or other common mechanical methods to reach an even substrate. In case that use water for preparing, it should be dried for 24 hours. Remember that concrete surfaces must be fully dried or cured.

### MIXING

- Weigh or measure the correct ratio of resin and hardener into a mixing cup. Mix thoroughly until the hardener is dispersed completely and evenly through the resin. The 2 parts should be mixed for a good few minutes to ensure that are fully combined.

### APPLICATION

- Apply an even coat of mixed primer to the surface. Be sure that the VEP™ primer evenly coats all areas of the pattern, including any complex corners etc. The vinyl ester primer should be as thick as possible without falling or running off the part.

### STORAGE & SHELF LIFE

- Maintain products in original packaging and sealed until ready for use. Estimated shelf life of resin is 4 months and hardener is 12 months when stored in a dry area at 21°C.

### PACKAGING

- Component A = 20 kg / Component B = 10 kg

**CAUTION**

All components of resin systems may cause skin irritation and sensitization. Use of chemical resistant gloves is recommended. Avoid breathing vapors and dust. Get medical attention if you are breathing with difficulty. Resins products can cause strong eye irritation. Avoiding eye contact and Using safety goggles is necessary.