

# TechnoPrime™CE

## Epoxy Primer

### PRODUCT DESCRIPTION

TechnoPrime™CE is a low viscosity, 100% solids formulation damp-tolerant epoxy resin system intended for priming the surface specifically for use in wet or damp substrates. TechnoPrime™CE Primer is an easy to use 4:1 volumetric mix, and cures quickly with low odor. TechnoPrime™CE can be used in different fields like strengthening and retrofitting of structural members.



Buildings  
Structures



Transportation  
Infrastructure



Water &  
Wastewater



Oil, Gas &  
Industrial



Waterfront  
Structures



Industrial  
Facilities

### PHYSICAL PROPERTIES

Net Weight	Component A = 20 kg Component B = 3 kg	
Color	Component A is clear Component B is amber	
Final Consistency	Moderately thin liquid form Suitable for brush or roller application	
Pot Life	1-3 hours	at 16°C – 27°C
Density at 20 °C	Kg/l	Component A = 1.13 kg / L Component B = 0.99 kg / L Mixed Product = 1.07 kg / L

### ADVANTAGES

- Very low viscosity
- Excellent adhesion to poorly prepared substrates and a wide range of substrates.
- Good humidity and corrosion resistance
- Improves substrate chemical resistance
- Fast cure response
- Epoxy primer penetrates deeply to eliminate concrete dusting, providing for easy cleanup and minimum maintenance.
- TechnoPrime™CE will effectively protect against the intrusion of destructive salts, oils, solvents, and gasoline.
- Top-graded anti-corrosive primer.

### TYPICAL USES

- Is used in moist surface to interfere with the normal adhesion of epoxy materials to bondable substrates.
- This material is used as a primer under the carbon wrap systems and laminates.
- Is used for filling spalls and bug holes.

### PACKAGING

Packaging / By Weight:

Component A = 20 kg / Component B = 3 kg

### INSTALLATION PROCEDURE

#### PREPARATION OF SUBSTRATE

Substrate preparation can effect on the quality of the Epoxy primer systems in retrofitting applications. 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 concrete 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.

#### APPLICATION

Surface of all the contaminated elements must be cleaned thoroughly. Mix part A and B together with a low speed mixer. It can be applied with a brush, roller or trowel. Use care to apply an even coat over the entire surface to help prevent



sagging. Using a roller can help to eliminate air bubbles in the primer and substrate, it can also ensure that there is a good bonding between them. Coverage rate will vary depending upon surface porosity. One coat is usually sufficient for sealing substrates when epoxy primer is used as a primer. And in case of using as sealer / finish, two coats are required to achieve uniform sheen. Two coats may also be required when sealing lightweight concrete or other highly porous surfaces.

#### CAUTION

All components of FRP 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

#### FAIRST AID

##### *Skin*

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

##### *Eyes*

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

##### *Inhalation*

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

##### *Ingestion*

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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