

PADRAPAT PARS

Products for Repair



PADRA-Stick URE-367

Under water epoxy repair material

DESCRIPTION

PADRA-STICK URE-367 is a 2-component, solvent free, moisture tolerant and non-sagging paste based on moisture insensitive epoxy system, used for under water concrete repair. This product is designed to bond with damp or submerged concrete and cures normally in spite of exposure to water.

WHERE TO USE

PADRA-STICK URE-367 is epoxy paste with special formulation for under water repair and can be used in the followings:

- Under water repairing of concrete surface defects and honeycombs
- Repair of dry, damped, saturated, and submerged concrete
- Dowel bars anchoring under water
- Repair of marine structures
- As leveling and bedding layer on surfaces to be received external reinforcement
- Crack sealing of steel ships
- Structural bonding steel plates to submerged concrete, masonry, stone, etc.

ADVANTAGES

PADRA-STICK URE-367 is an extremely versatile product that offers many advantages to the user:

- Excellent adhesion to wet/submerged concrete and most construction materials
- Can be cured under sea water
- Excellent early and final mechanical strengths
- Excellent chemical resistance
- Impact and shock resistance
- Colour coded components to ensure proper mixing control
- Easy to use and suitable for use in vertical and overhead app
- Suitable for both, dry and wet surfaces
- Non sagging and no flow material, even at high temperatures
- Hardens without shrinkage
- Can be extended with quartz sand (0.1~2.0 mm) as a repair mortar
- Will not corrode reinforcement
- Suitable for use in vertical and overhead app

TECHNICAL INFORMATION

Colour	Green (mixed) Comp. "A": Yellow Comp. "B": Blue
Mixing ratio	A : B = 1.0 : 1.0 by weight or volume
Density (at 25 °C)	1.550 kg/l (mixed)
Bonding strength	> 3.5 MPa (Concrete failed)
Compressive strength	60 MPa (7 days)
Flexural strength	> 30 MPa
Service temperature	-35 to +65 °C
Full cured	After 7 days (at 25 °C)
Working Time / Pot life	30 min. (25 °C)

PADRA-Stick URE-367

HOW TO USE

Surface preparation	The substrate must be structurally sound and free of loose particles. Remove cot, laitance, marine growth, oil, grease, foreign particles, disintegrated materials, and other bond inhibiting materials from the surface. All surfaces should be sandblasted, water-blasted or mechanically abraded to remove all contaminates and provide a roughed, structurally sound substrate.
Mixing	Mixing operation would be done above water. Premix each component separately above water. Add component "B" to Component "A" and mix them thoroughly using a low speed drill (max. 300 rpm) and suitable paddle for at least 2 minutes or until all striations have disappeared and a uniform colour is obtained. For partial mixing, proportion 1 part of component "B" to 1 parts of component "A" by weight or volume into a clean pail. Mix only that quantity which can be used within its pot life.
Priming	No priming required.
Application method	Thoroughly mixed PADRA-STICK URE-367 should be transported under water after mixing. The mixed material can be applied by diver using a trowel, spatula, knife or gloved hand.
Material consumption	PADRA-STICK URE-367: Approximately 1.550 kg/ m ² for 1 mm layer thickness.
Application limits	Minimum layer thickness: 0.5 mm Maximum layer thickness: 10.0 mm Do not apply PADRA-STICK URE-367 at temperatures below 10 °C. Do not thin PADRA-STICK URE-367 by solvent. Solvent will prevent proper cure. Minimum age of concrete must be 21~28 days, depending upon curing and drying conditions.
Cleaning	Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

Storage / Shelf life

Store out of direct sunlight, and protected from extreme heat and rain fall. The shelf life for originally unopened package is 12 months from date of production.

Packaging

PADRA-Stick URE-367 is available in 5 or 10 kg pails.

Safety precautions

Product may cause skin irritation. Protect skin and eyes from contact with fresh mortar. Wear gloves and goggles. In contact with eyes or mucous membrane, flush immediately with plenty of warm water and seek medical attention without delay.

Dispose of in accordance with local regulations.

