

# PADRAPAT PARS

## Products for Repair



## PADRA-Stick URC-363

### Under-water two component cementitious repair mortar

#### DESCRIPTION

PADRA-STICK URC-363 is a 2-component, anti washout, corrosion inhibited, fast cure and non-sagging mortar based on modified cementitious 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 URC-363 is a high early strength repair mortar designed for use in marine environments. PADRA-Stick URC-363 combines the latest concrete technologies and high quality raw materials to yield a very fast setting repair mortar that will not segregate when placed in underwater applications. PADRA-Stick URC-363 has 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
- Patching concrete surfaces above and below grade
- Repair of marine structures
- Protective rendering on concrete surfaces
- Crack sealing of concrete and masonry structures
- Structural repairs of sea walls, tunnels, offshore platforms, and hydraulic structures.

#### ADVANTAGES

PADRA-STICK URC-363 is a product that offers many advantages to the user: PADRA-Stick URC-363 is specially formulated for under water repairs and has following advantages.

- Excellent adhesion to wet/submerged concrete and most construction materials
- Can be cured under sea water
- Excellent early and final mechanical strengths
- Fast setting
- High early strength materials
- Pre weighted components to ensure correct mixing control
- Easy to use.
- Suitable for both, dry and wet surfaces
- Non sagging and no flow material, even at high temperatures
- Anti washout property
- Contains corrosion inhibitor admixture.
- Suitable for use in vertical and overhead applications.

#### TECHNICAL INFORMATION

<b>Colour</b>	Concrete gray (mixed)
	Comp. "A": Gray powder
	Comp. "B": Green viscous liquid
<b>Mixing ratio</b>	A : B = 13.0 : 2.0 by weight
<b>Density (at 25 °C)</b>	2.320 kg/l (mixed)
<b>Bonding strength</b>	> 3.5 MPa
<b>Compressive strength</b>	40 MPa (7 days)
<b>Initial setting</b>	Less than 10 minutes
<b>Full cured</b>	After 7 days (at 25 °C)
<b>Working Time / Pot life</b>	6 min. (25 °C)

# PADRA-Stick URC-363

## HOW TO USE

<b>Surface preparation</b>	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.
<b>Mixing</b>	Mixing operation would be done above water. Premix each component separately above water. Add component "A" to Component "B" and mix them thoroughly using a low speed drill (max. 300 rpm) and suitable paddle for at least 2 minutes or until a uniform consistency is obtained. For partial mixing, proportion 6.5 part of component "A" to 1.0 parts of component "B" by weight into a clean pail. Mix only that quantity which can be used within its pot life. For small jobs or difficult situations, mixing procedure can be done by gloved hand.
<b>Priming</b>	No priming required.
<b>Application method</b>	Thoroughly mixed PADRA-STICK URC-363 should be transported under water after mixing. The mixed material can be applied by diver using a trowel, spatula, knife or gloved hand.
<b>Material consumption</b>	PADRA-STICK URC-363: Approximately 1.550 kg/ m <sup>2</sup> for 1 mm layer thickness.
<b>Application limits</b>	Minimum layer thickness: 30.0 mm Maximum layer thickness: 100.0 mm Do not apply PADRA-STICK URC-363 at temperatures below 5 °C.
<b>Cleaning</b>	Uncured material can be removed with approved water. 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 URC-363 is available in 15 or 30 kg packs.

## 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.

