

PADRAPAT PARS

Products for Grouting



PADRA-Flowxy EGA-213

Fine graded high strength epoxy grout and adhesive
(Formerly FLOWXY EGA-4130)

DESCRIPTION

PADRA-Flowxy EGA-213 is a 3-component, solvent free, and self leveling epoxy mortar. PADRA-Flowxy EGA-213 is based on formulated epoxy resin and fine graded sands grout for a wide variety of applications.

WHERE TO USE

PADRA-Flowxy EGA-213 provides a pourable casting grout for an application thickness range of 5 ~ 50 mm. PADRA-Flowxy EGA-213 can be used in the followings:

- Structural filling of holes and cavities in concrete
- Filling low spaces under base plates of industrial equipment and machinery subject to static and dynamic loads
- Installation of crane and transporter rails
- Anchorage and fixing of bolts and dowels

ADVANTAGES

PADRA-Flowxy EGA-213 is an extremely versatile product that offers many advantages to the user:

- Excellent adhesion to concrete, steel, and most construction materials
- Excellent early and final mechanical strengths
- Excellent chemical resistance
- High resistance to dynamic loads
- Easy to mix and apply
- Low odor and user friend
- Excellent flow ability, also in thin layer
- Cures without shrinkage
- Will not corrode reinforcement
- No priming required
- Good adhesion to moist substrates

TECHNICAL INFORMATION

Color	Concrete grey (mixed) Comp. "A": Transparent Comp. "B": Yellowish Comp. "C": light gray
Mixing ratio	A : B : C = 4.0 : 1.0 : 15.0 by weight
Density (at 25 °C)	1.900 kg/l (mixed) Comp. "A": 1.100 kg/l Comp. "B": 1.050 kg/l Comp. "C": 1.500 kg/l (bulk)
Bonding strength	> 3.5 MPa (Concrete failed)
Compressive strength	80 MPa (14 days)
Tensile strength	20 MPa (14 days)
Flexural strength	> 30 MPa
Service temperature	-35 to +65 °C
Full cured	After 14 days (at 25 °C)
Working Time / Pot life	30 min. (25 °C)



PADRA-Flowxy EGA-213

HOW TO USE

Surface preparation	The substrate must be sound and free of loose particles. Remove dust, laitance, oil, grease, curing compounds, impregnations, waxes, foreign particles, disintegrated materials, and other bond inhibiting materials from the surface. Surface can be prepared by blasting methods, grinding, or chipping. Substrate must be free from frost and standing water.
Mixing	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. Avoid entrapping air. Then add component "C" slowly as continue mixing, until mixture is homogeneous.
Application method	Prior to application, rest mix for a short time to allow entrained air to escape. Pour mortar into prepared opening (hopper) and maintain enough static pressure. Ensure that entrapped air can easily escape. Pour continuously from one side only. Note: For rebar installation, it would be recommended that diameter of hole be at least 4 mm greater than diameter of rebar with hole's depth not smaller than 12 times of rebar's diameter.
Material consumption	Each 2.0 kg of PADRA-Flowxy EGA-213 yields about 1.1 liter grout.
Application limits	Minimum Grouting thickness: 5 mm Maximum Grouting thickness: 50 mm Do not apply PADRA-Flowxy EGA-213 at temperatures below 5 °C. Do not thin PADRA-Flowxy EGA-213 by solvent. Solvent will prevent proper cure.
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-Flowxy EGA-213 is supplied in 6 & 10 kg packs.

Safety precautions

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

This product should be handled carefully to minimize dust formation during mixing. Use a light mask if excessive dust is unavoidable. Dispose of in accordance with local regulations.

