FasTrac CE715PNS

POLYMER NOSING SYSTEM

HYCHEM
Infrastructure

Product Description

FasTrac CE715 PNS is a three component, moisture tolerant, multi-purpose, high-strength, semi-flexible, elastomeric repair system. The systemcombines a high-quality epoxy resin and curing agents with an engineered blend of graded aggregates for header / joint repairs on bridge decks and similar structures.

Applications

- Bridge Deck Joints
- Airport Runway and Taxiway Joints
- Parking Deck Joints
- Header Repairs

Features

- Elastomeric, Semi Flexible
- Impact Resistant
- Moisture Tolerant
- Chemical Resistant

Surface preparation

Concrete surfaces should be a minimum 10°C at time of application. Roughen concrete surfaces to a Concrete Surface Profile (CSP) of 5 or greater in accordance with ICRI Technical Guideline 310.2R. Blow out all dust, debris, and loose material. Surfaces may be damp but the best performance is achieved when dry. Steel surfaces should be sandblasted to an SSPC – SP6 finish.

Mixing

Pre-condition Components A and B to between 18.3°C and 29.3°C. Pour all of Components A and B into pail and mix for approximately 3 minutes. Add Component C and mix until aggregate is fully wetted. Do not whip air into components during mixing. Use immediately after mixing.

Installation

Pour into the repair area and level or screed as necessary. Use of FasTrac Finishing Aid/Epoxy Cleaner on tools will facilitate finishing and lessen drag.

Curing

Product is self-curing. Do not add solvents. Protect from freezing temperatures, rain and traffic until minimum strength requirements are achieved.

Clean up

All surfaces, tools and equipment may be cleaned with FasTrac Finishing Aid or a solvent based cleaner prior to material setting.

Packaging and Yield

Three component kit packaged in 0.5 cubic foot unit (0.014 cubic meter) with 1 bag of aggregate, a 1.0 cubic foot unit (0.028 cubic meter) with 2bags of aggregate and a 5.0 cubic foot unit (0.14 cubic meter) with 10 bags of aggregate.

Shelf life and Storage

1 year shelf life when stored in dry, weatherproof conditions. Storage temperatures 4.4°C to 35°C.

HYCHEM
Head Office: 1/30 Bluett drive
SMEATON GRANGE NSW 2567
PH: 1300 HYCHEM
WWW.HYCHEM.COM.AU

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TYPICAL PROPERTIES AT 23.8°C	
TEST METHOD	**RESULTS**
BINDER PROPERTIES	
Viscosity	2,000 cps
Gel Time (60 g mass)	15 minutes
Tensile Strength	2,000 psi (13.8 MPa)
Tensile Elongation	45%
ASTM C579n Compressive Strength	5,000 psi (34.5 MPa)
ASTM D695 Compressive Modulus	90,000 PSI (620 MPa) MPa
ASTM C882 Bond Strength 2-Day Cure 14-Day Cure	 2,000 psi (13.8 MPa) 2,500 psi (17.2 MPa)
Tack Free Time (23°C)	3 to 5 hours
MORTAR PROPERTIES	
TEX-J-618 Compressive Stress	4,000 psi (27.6 MPa)
ASTM C1583/ACI 503R	300 psi (2.0 MPa)
TEX-J-618 Wet Bond Strength (Tex-618-J)	450 psi (3.1 MPa)
ASTM D 2566 Shrinkage on Cure	0.2%
TEX-J-618 Resilience	95%
ASTM C 884 Thermal Compatibility	Pass
Chloride Ion Permeability (AASHTO T277)	0.0 coulombs
ASTM C 579 Compressive Strength 3-Hour Cure	 1,500 psi (10.3 MPa)

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Health and safety information

Product contains epoxy resin and amines. Wear proper PPE when using this product, including gloves, eye and skin protection and NIOSH / MSHA approved respirator or dust mask. Read SDS thoroughly before use. Prop 65: This product contains chemicals known by the state of California to cause cancer.

Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of sol-gel materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print.
As the information herein is of a general nature, no assumption can be made as to the product suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

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