FasTrac CE715 PNS

POLYMER NOSING SYSTEM

Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac CE715 PNS is a three component, moisture tolerant, multi-purpose, high strength, semi-flexible, elastomeric repair system. The system combines 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. FasTrac CE715 PNS meets the requirements of ASTM C 881 and AASHTO M235 Type III, Classes B and C.

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 50°F (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. Best performance is achieved when surfaces are completely dry. Steel surfaces should be sandblasted to an SSPC – SP6 finish and wiped clean.

MIXING

Pre-condition Components A and B to between 65°F and 85°F (18.3°C and 29.3°C). Pour all of Components A and B into pail or mixer and mix for approximately 3 minutes. Add all of Component C one bag at time and mix until aggregate is fully wetted and no dry pockets remain. Do not whip air into components during mixing. Use immediately after mixing.

INSTALLATION

Pour into the repair area and level or screed as necessary. A Fastrac Finishing Aid or solvent coat 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.

www.fastracproducts.com
816-380-4747
sales@fastracproducts.com
Lee's Summit, MO 64081

PACKAGING AND YIELD

Three component kit packaged in 0.5 cubic foot unit (0.014 cubic meter) with 1 bag aggregate, 1.0 cubic foot unit (0.028 cubic meter) with 2 bags of aggregate and 5 cubic foot unit (0.14 cubic meter) with 10 bags aggregate.

SHELF LIFE AND STORAGE

1 year shelf life when stored in dry, weatherproof conditions. Storage temperatures 40°F to 95°F (4.4°C to 35°C).

TYPICAL PROPERTIES at 75° F (23.8° C)	
TEST METHOD	**RESULTS**
BINDER PROPERTIES	
Mix Ratio	3-Component Product
ASTM D2393-86 Viscosity	≥ 2,000 cps
ASTM C881 Gel Time (60 grams)	≤ 15 minutes
ASTM D1640 Tack Free Time	≤ 5 hours
ASTM D638 Tensile Properties	
Tensile Strength	≥ 2,000 psi (13.7 MPa)
Tensile Elongation	≤ 45%
ASTM C882 Bond Strength	
2-Day Cure	≥ 2,000 psi (13.7 MPa)
14-Day Cure	≥ 2,500 psi (17.2 MPa)
ASTM D695 Compressive Modulus	≤ 90,000 psi (620 MPa)
ASTM C579 Compressive Strength	
3-Hour Cure	≥ 1,500 psi (10.3 MPa)
7-Day Cure	≥ 5,000 psi (34.5 MPa)
MORTAR PROPERTIES	
TEX-J-618 Compressive Stress	≤ 4,000 psi (27.6 MPa)
ASTM C1583/ACI 503R Tensile Bond Strength	≤ 300 psi (2.0 MPa)
TEX-J-618 Wet Bond Strength	≤ 450 psi (3.1 MPa)
ASTM D2566 Shrinkage on Cure	≤ 0.2%
ASTM C884 Thermal Compatibility	Pass
AASHTO T277 Chloride Ion Permeability	1.0 coulombs
ASTM C579 Compressive Strength	
3-Hour Cure	≥ 1,500 psi (10.3 MPa)

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.

LIMITED WARRANTY

LIMITED WARRANTY All information provided by Cornerstone Construction Material LLC (CCM) concerning CCM products, including but not limited to, any recommendations and advice relating to the application and use of CCM products, is given in good faith based on CCM's current experience and knowledge of its products when properly stored, handled, and applied under normal conditions in accordance with CCM's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of CCM's control are such that CCM assumes no liability for the provision of such information, advice, recommendations, or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations, or instructions related to its products. The user of the CCM product(s) must test the product(s) for suitability for the intended application and purpose before proceeding the full application of the product(s). CCM reserves the right to change the properties of its products without notice. All sales of CCM product(s) are subject to its current terms and conditions of sale. Prior to each use of any CCM product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Safety Data Sheet which are available at www.ccmaterial.com. Nothing contained in any CCM materials relieves the user of the obligation to read and follow the warnings and instructions for each CCM product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use. CCM warrants this product for one year from the date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet when used in accordance with the written instructions. User determines suitability of product for intended use and assumes all risks. The buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CCM SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. CCM SHALL NOT BE REPSONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac CE715" product and in the information which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Cornerstone Construction Material LLC (CCM) makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Construction Material LLC (CCM) shall have no other liability with respect thereto. Any claim regarding a product defect must be received in writing within one year of the date of shipment. No claim will be considered without such written notice or after the specified time interval. The User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Cornerstone Construction Material LLC (CCM) technical manager.