**DESCRIPTION**
A two part solvent free, 100% solids, high performance epoxy impregnation system for structural strengthening of concrete columns, roads & bridges, damaged old structures etc.

Complies to EN1504 Part 9 and EN1504 Part 4
- Principle 4 : Structural Strengthening (SS).
- Method 4.3 - Plate Bonding.

**USES & ADVANTAGES**
Condur CF (HP) Impregnation is used in conjunction with Condur CF (HP) Fabric reinforcement system

Advantages include:
- Easy application by roller.
- 100% Solids (No Volatile Organic Content)
- Excellent adhesion to various substrates.
- Very good chemical resistance.
- Easy to mix.
- High mechanical properties which increases load bearing capacity of structure.

**PROPERTIES**
- **Appearance** : Part A : Clear liquid
- **Mix Ratio** : Part A : Part B = 2 : 1 by weight
- **Density Mixed** : Approx. 1.10kg/ltr @23+°C
- **Tensile Strength** : @23°C
  - 7 days 55 N/mm²
  - ASTM D638
- **Bond Strength** : @23°C
  - 7 days ≥ 2 N/mm²
  - ASTM D4541
  - (Concrete failure)
- **Flexural Strength** : @23°C
  - 7 days 101 N/mm²
  - ASTM C580
- **Curing Time** : 7 Days
- **Pot Life** : Approx. 50-60 minutes. @23°C
  - ASTM C881
- **Over Coating Time** : 2-6 hrs @23°C
- **Tensile Modulus** : 2,700 MPa
- **of Elasticity** : ASTM D638
- **Viscosity** : 2500 CPs @23°C

**SUBSTRATE PREPARATION**
Ensure that the concrete surface is clean and sound. Remove all contaminates including coatings, grease, oil, dirt, excessive laitance, salts and unsound material by grinding, hammering, etc. Where necessary degrease with chemical degreaser. Any structural cracks should be injected with Condur SC or Conite SC/E300/301 resin injection material.

**LIMITATIONS**
Samples:
- Witness samples should be made at site and tested in a laboratory to ensure the material meets the responsible designers requirements.

Substrate & Ambient Temperature should be between 8°C and 36°C. The substrate temperature should be at least 3°C above the dew point. The product should only be used by experienced professionals. In hot or cold conditions precondition the product 24 hours before use. Protect from rain for 24 hours after application.

Consult a structural engineer for load calculations & design.

A qualified structural engineer must be responsible for designing the works. Care must be taken in selecting suitably experienced and trained contractors. Protect from permanent exposure to direct sunlight.
Condur® CF (HP) Impregnation

A TWO PART SOLVENT FREE HIGH PERFORMANCE EPOXY IMPREGNATION SYSTEM

CONSUMPTION RATE
Approximately 0.65 kg/m² for 1st layer.
Approximately 0.25 kg/m² for 2nd layer.

PACKAGING
15 kgs set
Other pack sizes available as per request.

STORAGE & SHELF LIFE
Condur CF(HP) Impregnation has a shelf life of 12 months from date of production stored properly in original unopened containers in dry conditions at temperatures between +5°C to 35°C. Protect from sunlight.

HEALTH & SAFETY
Please consult the latest Safety Data Sheet available on request.

TECHNICAL SERVICE
The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

DISCLAIMER
Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc. Cormix does not take responsibility nor need to defend others testing that does not achieve the published data. The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product. Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

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