# Product Datasheet: ARC CFW-HT

***ARC CFW-HT is a fiber reinforced epoxy composite repair system which is compliant with ASME PCC2 Article 401 for high risk applications. It incorporates a 100% solids, load transfer putty for faring smooth rough irregular surface, and high temperature, low viscosity saturating epoxy resin blend which is used to wet out and impregnate a carbon or glass fiber matt which is then applied to a damaged or weakened surface to improve structural integrity.***

- Seals leaks
- Structurally reinforces weakened systems avoiding costly replacement
- Easily applied to pipe, tanks, equipment



## Application Areas

- Tanks (steel or fiberglass)
- Pressure vessels
- Pipes
- Elbows, flanges, and fittings
- Equipment casings
- Heat exchanger shells
- Ducting
- Structural beams

## Packaging and Coverage

- CFW-HT comes in a package able to repair pipes up to 24" in diameter. Contact your ARC salesperson for larger packaging options available.
- Each kit contains the following:
  - 2 x 250 gram QuikPack of ARC 858 (load transfer putty)
  - 1.2 gallons of ARC CFW-HT saturating resin blend
  - 12" x 3.5' Bidirectional glass fiber mat
  - 12" x 18.75' Bidirectional carbon fiber
  - Mixing and application tools
  - Nitrile gloves




## Features and Benefits

- **ARC 858 is 100% solids**
  - Proven pit filler and faring compound
  - Full compatibility to CFW wrap system
- **ARC CFW-HT resins are 100% solids**
  - Enhances safe use
  - Minimal shrinkage on cure increases durability
  - Rated for service up to 300˚F
- **Very low mixed viscosity of saturating resin blend**
  - Helps ensure proper wetting of fabric and maximum strength of repair
- **Glass fiber and Carbon fiber mat**
  - Glass fiber is galvanic barrier to improve corrosion resistance when required
  - Carbon fiber is a structural reinforcement to maximize strength to weight ratio

| Technical Data with Carbon Fiber | | | |
|---|---|---|---|
| Saturant Density | | 1.08 g/cc | 9.0 lbs/g |
| Tensile Strength | ASTM D3039 | 623.8 MPa | 107,000 psi |
| Tensile Modulus | ASTM D3039 | 29,620 Mpa | 6,290 ksi |
| Elongation | ASTM D3039 | | 2.50 % |
| Flexural Strength | ASTM D790 | 407.5 MPa | 55,200 psi |
| Lap Shear Adhesion | ASTM D5865 | 23.9 Mpa | 3,290 psi |
| Tensile Pull Off Adhesion | ASTM D4541 | 20.7 Mpa | 3,000 psi |
| Barcol Hardness | ASTM D2583 | | 43 |
| Heat Distortion Temperature | ASTM D648 | 269°C | 516°F |
| Maximum Recommended Service Temperature | | 149°C | 300°F |
| CF-500 BD Mat Thickness | | 0.9 mm | 0.038" |

CHESTERTON
Global Solutions, Local Service.

A.W. Chesterton Company
860 Salem Street, Groveland, MA 01834 USA
Tel +1 978-469-6888 Toll Free 844-469-6888
Chesterton.com ARCInfo@Chesterton.com

© 2026 A.W. Chesterton Company.
® Registered trademark owned by A.W. Chesterton Company in USA and other countries, unless otherwise noted.

Technical Data reflect results of laboratory tests and are intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton's knowledge and/or control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. **CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**