

CHAMPION DUCT FIBERGLASS REPAIR KIT™

The Champion Duct Fiberglass Repair Kit™ is a water-activated, fast curing, in-field fiberglass conduit repair system, ideal for cracks, breaks, reinforcing joints, rebuilding conduit wall strength and corrosion proofing – in virtually any situation, even underwater!

The Champion Duct Fiberglass Repair Kit™ includes a strong fiberglass knitted tape, precoated with fast setting water-activated urethane resin.

The Champion Duct Fiberglass Repair Kit™ can be installed by one person with no special tools, and provides for quick, in-field repairs, repairing conduits in as little as 30 minutes.

The Champion Duct Fiberglass Repair Kit™ is Used for:

Routine and Emergency Conduit Repairs • Structural Reinforcement • Sealing Joints
Rebuilding Conduit side Walls • Corrosion Proofing • Abrasion Protection • Repairs in Hard to Reach Areas

The Champion Duct Fiberglass Repair Kit™ is Used By:

Petrochemical • Industrial processing • Pulp and paper • Military • Marine • Irrigation
Power generation • Facilities maintenance • Water/wastewater • Manufacturing
Food processing • Pharmaceutical • Automotive

Champion Duct Fiberglass Repair Kit™ Contents:

- > Knitted fiberglass tape with water-activated, fast setting polyurethane resin
- > Gloves for easy clean-up
- > Detailed instructions



Description:

Each kit contains a roll of knitted fiberglass tape precoated with water activated polyurethane resin enclosed in a sealed foil pouch, latex gloves and printed instructions.





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Technical Information

Compatibility and Chemical Resistance: The Champion Duct Fiberglass Repair Kit™ combined may be used with any type of fiberglass conduit or piping and is generally compatible with the following classes of chemicals: hydrocarbons, petrochemicals, fuels, organics, acids, bases, water, steam, salts and slurries. The durability of the repair may be affected by very strong acids (pH under 3) or bases (pH over 12).

Shelf Life: 2 years from date of purchase when stored at 40°F to 83°F (5°C to 28°C).

Color: Black

Tensile Strength: 24,950 psi / in width/172 MPa (ASTM D 3039)

Modulus: 62,505 psi / 4309 MPa (ASTM D 3039)

Flexural Yield Strength: 12,005 psi / 82.77 MPa (ASTM 790)

Durometer Hardness: 63 Shore D (ASTM D 2240)

Temperature/Heat Resistance: From -20°F up to 250°F (-29°C to 121°C) – continuous. From 250°F to 500°F (121°C to 260°C) – temporary exposures. If possible, the conduit/pipe should be at ambient temperature before application.

Champion Duct Fiberglass Repair Kit™ is compliant with US DOT 49CFR parts 192 and 195. Testing was performed under the guidelines of ASME PCC-2, Article 4.1.

Set Time: Tack free in 3 to 5 minutes at ambient temperatures of 50°F to 80°F (10°C to 27°C). Set time is slower below 50°F and faster above 80°F.

Cure Time: Normally cures in 30 minutes at ambient temperatures between 50°F to 80°F (10°C to 27°C). Longer cure times may occur when ambient temperature is less than 50°F (10°C). Heat may be applied to accelerate cure times. Cure time is greatly accelerated at extremely high ambient or pipe surface temperatures. The **UNOPENED** foil pouch may be immersed in cool water for at least 15 minutes to slow set and cure times and to provide ease of handling.

Ordering Information

PART NUMBER: BLACK	CHAMPION DUCT FIBERGLASS REPAIR KIT™ SYSTEM SIZE (PACKAGED 10 PER CASE)	WEIGHT LBS/KGS
CF-RK2x4-BLK	2" x 4'/5.08cm x 1.2m	4/1.8
CF-RK2x12-BLK	2" x 12'/5.08cm x 3.6m	6/2.7
CF-RK4x12-BLK	4" x 12'/10.16cm x 3.6m	8/3.6
CF-RK4x25-BLK	4" x 25'/10.16cm x 7.62m	14/6.3

Champion Duct Fiberglass Repair Kit™ does not contain any Volatile Organic Compound (VOC) as defined in the USA for regulatory purposes (ASTM used as a guideline).

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