

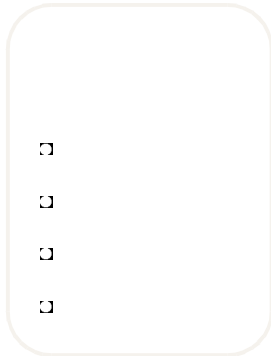
# QuikSteel **XTREME**

## High Temperature Metal Repair

**Unique:**

QUIKSTEEL XTREME is the only 2400°F / 1316°C steel repair cold weld paste specifically designed for the repair of open flame, high heat components.

Unlike most cold weld products, QUIKSTEEL XTREME *can withstand direct flame* contact.



**Ideal for repairing automotive, commercial vehicle and marine engine components:**

- Exhaust manifolds
- Catalytic converters
- Crossovers
- Silencers
- Exhaust pipes
- Oxygen sensor (stripped threads)

**Use it at home, on the farm or at work on:**

- Fire boxes
- Industrial furnaces
- BBQs
- Heat exchange units
- Wood burning stoves
- boilers etc.
- Fireplaces

Note: Do not use to repair tanks or boilers that contain water or other liquids.

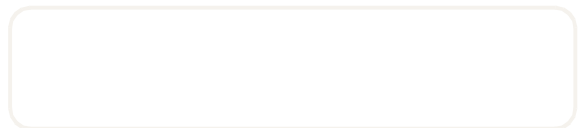
**Avoid Hot Welding:**

QUIKSTEEL XTREME is especially valuable in areas where traditional heat welding of a product cannot be accomplished.

A QUIKSTEEL XTREME weld actually gets **stronger with heat**. QUIKSTEEL XTREME can also be used to fill holes and pits in engine heads, blocks, and manifolds.

**Features:**

- Easy to use single part compound. Needs no special preparation.
- Can be sanded and machined when cured.
- Will not rust or oxidize.
- Is resistant to chemicals and corrosion.
- Can be formed and shaped.
- Is ideal for making permanent repairs while on the road and in remote locations.
- Is an ideal emergency repair product for tool box, car, truck, tractor, and shop.
- Is **environmentally safe** to use.
- Hands and equipment can be cleaned up with soap and water after using.
- 95% cure at room temperature within three hours maximum of applying. 100% cure within 24 hours, or 15 minutes when heat is applied (see instructions).
- Can be applied using a spatula, putty knife, caulking gun, or by hand.



## DIRECTIONS FOR USE

### Preparation

1. Using sandpaper and a wire brush, remove loose rust and contaminants around the crack or hole. Clean an area 1-inch in all directions around the crack or hole.
2. When repairing a crack, relieve the stress by V-grooving the crack and drilling a hole (1/8 / 3mm-inch minimum) at each end of the crack.
3. Remove any dirt, grease or oil with a solvent. If necessary burn off residue using a blow torch.

### Application to repair cracks and small holes up to 1/4-inch in diameter

1. Using a screwdriver blade or ice cream stick, mix the QUIKSTEEL XTREME thoroughly.
2. Apply QUIKSTEEL XTREME to the crack or hole and force it into the crack or hole if possible.
3. Apply a layer of QUIKSTEEL XTREME over the top of the first application about 1/2-inch thick at the crack or hole and tapering off as the entire prepared area is covered. Smooth or shape as desired.

### Application to repair holes larger than 1/4-inch in diameter

1. Cut a section of fiberglass matting that is 1/2-inch larger than the hole in all directions.
2. Using a screwdriver blade or ice cream stick, mix the QUIKSTEEL XTREME thoroughly.
3. Apply a 1/4-inch layer of QUIKSTEEL XTREME to one side of the fiberglass material and place the fiberglass material over the hole with the QUIKSTEEL XTREME material face down on the crack. Press in place around the hole, but do not apply pressure directly above the hole. Allow to sit for 15 to 20 minutes.
4. Apply a 1/4-inch layer of QUIKSTEEL XTREME over the top of the fiberglass material and taper it toward the edge of the prepared area.

### Curing

- 1) QUIKSTEEL XTREME strengthens with heat; however, it must be properly cured before high heat or direct flame is applied. The first step is to allow the QUIKSTEEL XTREME to cure at room temperature for 3 to 4 hours. In colder temperatures, lengthen the initial cure time. A good test to determine if the initial cure has been accomplished is to press your thumbnail into the QUIKSTEEL XTREME. If you cannot dent the surface when you press your thumbnail into the QUIKSTEEL XTREME, it is ready for final curing.

- 2). There are several ways to accomplish the final cure of QUIKSTEEL XTREME.

- a) Allow QUIKSTEEL XTREME to cure for 24-hours at room temperature. Extend the time in colder environments.
- b) On a combustion engine, start the engine and allow the engine to idle for 15 minutes before driving the vehicle or operating the engine at normal work loads.
- c) Use a heating source (hair dryer, etc.), other than an open flame, that will raise the QUIKSTEEL XTREME to a temperature of 250 °F / 121°C.

If bubbling occurs the product was cured too rapidly or the surface was not adequately cleaned and dried. Allow the surface to cool, scrape off the blistered material and reapply product to the area that bubbled.



### Finishing

You can machine, drill and sand QUIKSTEEL XTREME after it is fully cured. When machining, do not use a lubricant. **CAUTION:** Wear a dust mask to prevent inhalation of sanding or machining dust. You can also tap QUIKSTEEL XTREME, but the threads are not strong like those tapped in a cured epoxy.

### Storage and Cleanup

Store sealed container between 41 °F / 5°C and 95°F / 35°C. Do not freeze. Clean hands and area with soap and water.

**CAUTION: IRRITATING TO EYES AND SKIN. KEEP OUT OF REACH OF CHILDREN. IF SWALLOWED SEEK MEDICAL ADVICE IMMEDIATELY.**

**Do not use to repair tanks or boilers that contain water or other liquids.**

QUIKSTEEL XTREME is an environmentally safe, water-based compound which is nonflammable and contains no solvents or volatile organic compounds.

Dispose of in accordance with local laws & regulations.