



KERNIK

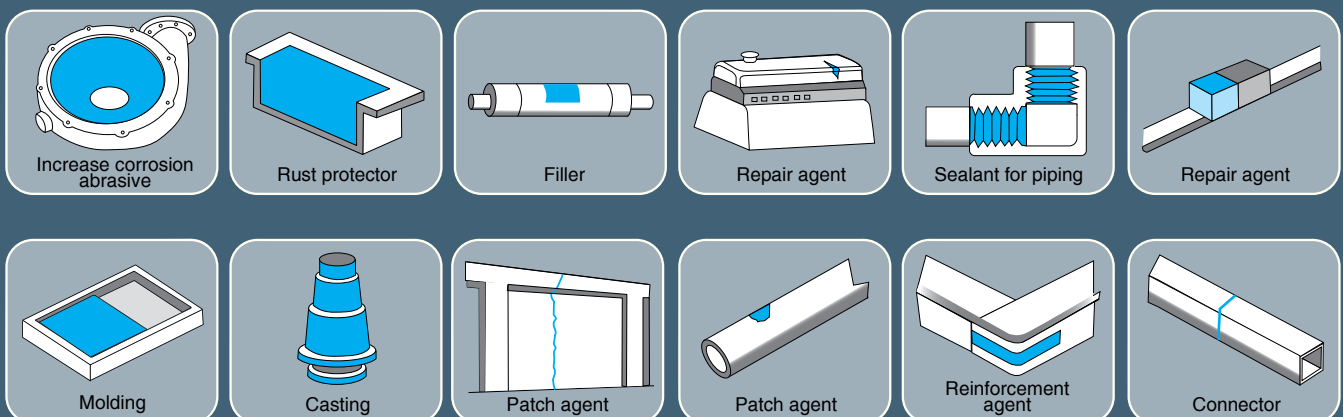


COLD WELDING AGENT



The Fast and Durable Way To Mend Or Repair Parts

“KERNIK” Cold Welding System is composed of agent “A” and agent “B” in the paste form. When combined the two agents together for 60 minutes, the physical appearance will transform from paste to solid-like steel structure. The compound can then be machined, drilled and grinded like steel. It is the welding system on physical surface of materials. It enables the joining of different types of materials together without any structural problem.



Cold Welding System provides significant benefits by optimizing your productivity and reducing your maintenance and manufacturing cost.

Benefits:

- Allows repair or weld onto the surfaces that cannot be performed by Gas or Electric welding methods.
- Simple and easy to use, does not require any complex equipment.
- Can be lathed, drilled, sawed or polished similar to steel works.
- Endures working temperature between -5°C to 300°C
- Reduces cost by minimizing complicated maintenance process.
- Can be used in wide range of industries such as shipyard, petrochemical, foundry, enginehouse etc.
- Specialization is not required.

Properties:

- Weld similar or different types of materials together.
- Wide range of materials can be applied such as steel, iron, rubber, aluminium, copper, lead, wood, glass and stone.
- Non-flammable, non-toxic, high corrosion resistance, high abrasive resistance.

Instructions to use “KERNIK A and B”

- Prepare the desired surface by removing rust and dirt with the use of files, sandpapers or grinders.
- Spray the “KERNIK Spray Cleaner” for removing oil from the surface.
- Stir KERNIK NoFlow “A” until it is entirely blended.
- Add KERNIK NoFlow “B” with the 1:1 ratio by volume.
- Mix them together and ensure that the two agents is homogeneously mixed.
- Apply the mixed agent onto the prepared surface. Wire, cloth or wired mesh can be used for reinforcement.

Specifications

Compressive Strength	18,200 psi
Hardness F. Rockwel	98
Tensile Strength	10,000 psi
Flexural Strength	15,000 psi
Adhesive Tensile Shear	2,500-3,600 psi
Heat Resistancy	570 Fo.(300C) ⁰
Specific Gravity	2.7
Pot Life	1,520 min.
Curing Time	24 hours.

