



**Manufacturers of Custom Welding Lines for Resale**  
[www.selectrode.com](http://www.selectrode.com)

## **SELECTRODE 5200**

**Handi-Jig Heat Resistant Putty**

### **APPLICATIONS**

Can be used as a heat sink to absorb heat and avoid surface discoloration on heat sensitive parts. It can be used as a heat dam to prevent heat from traveling to areas that can be damaged by heat, such as O-rings, packing glands, glass and paint. Handi-Jig is ideal to hold or position difficult to align parts. Handi-Jig will keep distortion down when welding on light gauge metals such as stainless steel.

Dual purpose heat resistant material for insulating and positioning parts for welding

- Handi-Jig has 2 purposes. It can protect against heat besides being a jiggling/fixturing compound.
- ASBESTOS FREE - Does not contain any toxic elements.
- Maintains shape when heated.
- Withstands temperatures to 3000°F.
- Can be reconstituted with water for reuse.

### **FEATURES**

#### **GENERAL CHARACTERISTICS:**

An easy to mold dual purpose compound that is used as a heat dam and insulator to protect metal and other material from the effects of heat. The dough like consistency of Handi-Jig makes it easy to mold around intricate parts. It will adhere to most surfaces making it ideal for use as a jiggling fixture or insulator for parts to be welded. Handi-Jig will not distort or shrink when heated.

#### **PROCEDURES:**

Position each of the parts to be joined in a mound of Handi-Jig large enough to support its weight. Adjust the alignment as necessary before welding. If parts need to be protected from heat, cover that area with a thin layer of Handi-Jig. For higher temperature applications or

where heat is applied for a prolonged time, use a thicker coating. Handi-Jig can also be used to protect non-metallic parts adjacent to the weld area. If moisture would be harmful to the protected area, a piece of plastic wrap should be applied first.

### **HOW TO DEMONSTRATE HANDI-JIG:**

Take two small pieces of metal and explain how difficult it would be to position them for soldering or brazing.

Remove two small handfuls of Handi-Jig from the container and place the small pieces of metal into them and explain how easy it is to position the parts for welding.

After removing the metal, throw one mound of Handi-Jig against the side of the workbench, explain how it sticks to anything. Now talk about its insulating qualities. Press some Handi-Jig on the corner of the bench and explain how the covered area is protected while welding is being done adjacent to the covered area.

To show its dual benefit qualities, take a light bulb and stand the bulb base in some Handi-Jig. Then place a mound of Handi-Jig around the top portion of the bulb (about 1/4" thick). At the very top, the layer should be thicker (about 1/2"). Put a depression in this thickest area that a penny will fit into. Place a penny (one dated before 1982) into the depression. With a torch, melt the penny. Remove the Handi-Jig from the bulb and ask your customer to feel the bulb -- **THE BULB IS ABSOLUTELY FREE FROM HEAT** and the Handi-Jig held the bulb vertically while also protecting the fragile glass surface from the heat of an intense oxyacetylene flame.