

## Cobalt Alloy Hard facing Filler Wire ER CoCr-C



| Element | C   | Mn  | Si  | Cr | Ni  | Mo  |
|---------|-----|-----|-----|----|-----|-----|
| Percent | 2.4 | 1.0 | 2.0 | 32 | 3.0 | 1.0 |

[Read More](#)

**SKU:** ER CoCr-C

**Price:**

**Stock:** instock

**Categories:** [Welding Consumables](#), [Welding Filler Wires](#), [TIG/MIG Filler Wires](#), [Hardfacing Welding Wires](#)

### Product Description

ER CoCr-C is a Cobalt base, hard facing filler metal. This alloy in bare rod form is generally applied by the oxyacetylene or gas tungsten arc welding process. The room temperature hardness of CoCr-1 is typically 50 – 55 HRC. This alloy is most noted for resistance to softening at elevated temperatures. Hot hardness values of 48 HRC are maintained at 1200 F. This alloy displays exceptional abrasion resistance due to the massive amount of carbide formation. The metal to metal wear is also outstanding due to the low coefficient of friction because of its ability to take a high polish. The large addition of Chromium imparts good oxidation and corrosion resistance up to 1800F. The impact resistance and machinability of this alloy is generally considered poor.

---