WELDWIRE COMPANY, INC. **Technical Information**

Bare, Coated & Flux-cored Cobalt

Alloy: WWCobalt #12 Coated Electrode

Conforms to Certification: AWS A5.13 ASME SFA A5.13

Class: ECoCr-B

Alloy: ECoCr-B

AWS Chemical Composition Requirements

C = 1.0 - 1.7	Mo = 1.0 max
Mn = 2.0 max	Fe = 5.0 max
Si = 2.0 max	W = 7.0 - 9.5
Cr = 25 - 32	Co = Remainder
Ni = 3.0 max	Other = 1.0 max

Description

Type 12 coated electrodes provide excellent hot hardness and abrasion resistance and good corrosion resistance. These properties make type 12 well suited for wood cutting saws and bars and for industrial cutting applications for carpet, plastics, paper and chemical industries. It bonds well to all steels, including stainless.

Deposited Chemical Composition % (Typical)

C = 1.3	Mo = 0.1
Mn = 0.1	Fe = 3.3
Si = 0.9	W = 8.3
Cr = 29.8	Co = Balance
Ni = 2.2	