

SubCOR™ EM12K-S

AWS A5.17: EC1

Benefits:

- composite metal-cored wire offers improved deposition rates—and productivity—compared to solid wire
- the weld deposit chemistry is specially formulated to be similar to EM12K solid wire to provide a higher-productivity alternative in nearly all of the same applications
- suitable for use with a wide variety of Hobart fluxes, making it easier to choose the optimal combination for unique applications
- composite metal-cored wires offer broader penetration profiles than solid wires at comparable welding parameters, helping to prevent burn-through when welding at high currents on root passes, joints with poor fit-up, and relatively thin materials

Typical Applications:

- general fabrication
- structural fabrication
- storage tanks
- railcar

Recommended Fluxes:

SWX 110, SWX 120, SWX 130, SWX 135, SWX 140, SWX 150, HA-495, HN-511, HN-590

Standard Diameters:

5/64" (2.0 mm), 3/32" (2.4 mm), 1/8" (3.2 mm), 5/32" (4.0 mm)

SubCOR™ SL 731

EN ISO 14171: S 46 4 AB T3

Benefits:

- specially formulated to offer enhanced impact toughness than can be achieved by carbon steel solid wires such as EM13K, EH12K, etc.
- seamless wire design virtually eliminates moisture absorption and produces low diffusible-hydrogen weld deposit for a continually minimized risk of hydrogen-induced cracking
- unique manufacturing process provides unmatched product consistency for excellent uniformity of chemical properties, mechanical properties, and arc characteristics

Typical Applications:

- general fabrication
- structural fabrication
- storage tanks
- railcar

Recommended Fluxes:

SWX 110, SWX 120, SWX 150

Standard Diameters:

1/16" (1.6 mm), 5/64" (2.0 mm), 3/32" (2.4 mm), 1/8" (3.2 mm), 5/32" (4.0 mm)

SubCOR™ EM13K-S

AWS A5.17: EC1

Benefits:

- the weld deposit chemistry is specially formulated to be similar to EM13K solid wire to provide a higher-productivity alternative in nearly all of the same applications
- suitable for use with a wide variety of Hobart fluxes, making it easier to choose the optimal combination for unique applications
- composite metal-cored wires offer improved deposition rates than solid wires at comparable welding parameters, allowing for increased travel speeds and productivity
- composite metal-cored wires offer broader penetration profiles than solid wires at comparable welding parameters, helping to prevent burn-through when welding at high currents on root passes, joints with poor fit-up, and relatively thin materials

Typical Applications:

- general fabrication
- structural fabrication
- storage tanks
- railcar

Recommended Fluxes:

SWX 110, SWX 120, SWX 130, SWX 135, SWX 140, SWX 150, HA-495, HN-511, HN-590

Standard Diameters:

5/64" (2.0 mm), 3/32" (2.4 mm), 1/8" (3.2 mm), 5/32" (4.0 mm)

SubCOR™ SL 840 HC

EN ISO 14171: S 46 6 FB T3Ni1

Benefits:

- provides excellent impact toughness in both the as-welded, stress-relieved, and even normalized conditions; suitable for service in many demanding service conditions
- seamless wire design virtually eliminates moisture absorption and produces low diffusible-hydrogen weld deposit for a continually minimized risk of hydrogen-induced cracking
- unique manufacturing process provides unmatched product consistency for excellent uniformity of chemical properties, mechanical properties, and arc characteristics

Typical Applications:

- offshore construction
- pressure vessels
- pipeline double jointing

Recommended Fluxes:

SWX 140

Standard Diameters:

5/64" (2.0 mm), 3/32" (2.4 mm), 1/8" (3.2 mm), 5/32" (4.0 mm)

SubCOR™ EM13K-S MOD

AWS A5.17: EC1

Benefits:

- specially formulated to maintain good mechanical properties when welding at high (>80 kJ/in) heat inputs
- the weld deposit chemistry is specially formulated to be similar to EM13K solid wire to provide a higher-productivity alternative in nearly all of the same applications
- suitable for use with a wide variety of Hobart fluxes, making it easier to choose the optimal combination for unique applications
- composite metal-cored wires offer improved deposition rates than solid wires at comparable welding parameters, allowing for increased travel speeds and productivity
- composite metal-cored wires offer broader penetration profiles than solid wires at comparable welding parameters, helping to prevent burn-through when welding at high currents on root passes, joints with poor fit-up, and relatively thin materials

Typical Applications:

- general fabrication
- structural fabrication
- storage tanks
- railcar

Recommended Fluxes:

SWX 110, SWX 120, SWX 130, SWX 135, SWX 140, SWX 150, HN-511, HN-590

Standard Diameters:

3/32" (2.4 mm), 1/8" (3.2 mm), 5/32" (4.0 mm)