

# Coreshield 40

AWS A5.20 E70T-4 / JIS Z3313 YFW-S50GB

Flux  
CORED  
WIRES

## Description

- Coreshield 40 is designed to meet the needs of operations where external shielding equipment is impractical. Its use, either indoors or out-of-doors, in light to moderate drafts without loss of effective shielding atmosphere, complements its flexibility.
- The core ingredients are carefully balanced for stable operation, crack resistance, and easy slag removal. Coreshield wires are engineered for optimum efficiencies with longer stickout than are normally associated with externally shielded wires. Weld bead is smooth, flat and uniform in sidewall wash. Its resistance to porosity when welding over moderate rust and mill scale, and its ability to handle uneven fit up, make Coreshield 40 an excellent performer in less than ideal shop conditions.

## Application

- Coreshield 40 wires are designed for single and multipass welding in the flat and horizontal positions on low and medium carbon steels in conditions which do not require high impact properties. Areas of application include frame, body and related components in the construction of farm machinery, automobiles, trucks, railcars and heavy construction equipment, as well as structural fabrication.

## Typical Mechanical Properties of All Weld Metal

Yield Point N/mm <sup>2</sup> {kgf/mm <sup>2</sup> }	Tensile Strength N/mm <sup>2</sup> {kgf/mm <sup>2</sup> }	Elongation (%)	Impact Value J(kgf · m)
			0 °C
420 {43}	560 {59}	27	29 {3.0}

## Typical Undiluted Weld Metal Analysis %

C	Mn	Si	P	S	Al
0.20	0.25	0.25	0.010	0.001	1.10