

# SILOX Fe

C-Mn STEEL (Special Purpose)

## KEY FEATURES:

- Deposit pure iron with low impurities
- Low Silicon content
- Resistant to corrosion by molten Zinc
- Easy slag removal

## TYPICAL APPLICATIONS:

- Welding and repairing of hot dip galvanizing baths
- Filling holes, building up worn out parts not subjected to excessive wear
- Windows, door frames

## TYPICAL CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, Wt %:

| C    | Mn  | Si   |
|------|-----|------|
| 0.05 | 0.5 | 0.06 |

## MECHANICAL PROPERTIES OF ALL WELD METAL:

|               | Condition | UTS, MPa | YS at 0.2% offset, MPa | EL%    | CVN Impact at-20°C, J |
|---------------|-----------|----------|------------------------|--------|-----------------------|
| Typical       | As Welded | 460      | 400                    | 25     | 66                    |
| Specification |           | 415 min  | 330 min                | 22 min | 50 min                |

## PARAMETERS - PACKING DATA:

| Ø x L, mm  | Amperage, A |   |   |
|------------|-------------|---|---|
| 3.15 x 450 | 90-130      |  AC (50 OCV)/ DCEN | All Positions, except vertical Downwards<br> |
| 4.0 x 450  | 140-180     |   |   |
| 5.0 x 450  | 180-220     |   |   |

Available in Standard carton packing of 20 kg box containing 4 cartons of 5 kgs each. Also available in vacuum packing