

**Description**

- EF-300ST is an agglomerated flux for submerged arc strip cladding.
- It is recommended for cladding with the Cr, CrNi and CrNiMo types of stainless strip.  
(Combination stainless strip : KQ-308L, KQ-309L)
- Slag removal and overlapping with this flux are excellent.
- Applications : chemical/petrochemical and offshore industry (pressure vessels, heat exchangers, ...), nuclear power industry (reactor vessels, ...), chemical reactors and flanges in pulp and paper industry., etc.
- Redry the flux at 250~350°C for 60 minutes before use.
- Add new flux periodically when continuously reusing the flux.

**Basicity index**

1.1

**Current condition**

DC+

**Typical chemical composition of all-weld metal (%)**

| Strip   |         | Chemical composition(%) |     |     |      |      |     |    |
|---------|---------|-------------------------|-----|-----|------|------|-----|----|
| Layer1  | Layer2  | C                       | Si  | Mn  | Cr   | Ni   | Mo  | Nb |
| KQ-309L | KQ-308L | 0.03                    | 0.8 | 1.6 | 19.5 | 10.2 |     |    |
| KQ-309L | KQ-316L | 0.03                    | 0.5 | 1.5 | 18.3 | 12.2 | 2.4 |    |

**Packages****• Strip**

| Width<br>(mm) | Thickness<br>(mm) | Type | Weight<br>(kg) |
|---------------|-------------------|------|----------------|
| 25.4          | 0.5               | Coil | 25             |
| 50.8          | 0.5               | Coil | 50             |
| 60            | 0.5               | Coil | 50             |
| 90            | 0.5               | Coil | 90             |

**• Flux**

| Mesh<br>size | Type | Weight<br>(kg) |
|--------------|------|----------------|
| 12x60        | Can  | 20             |