

Company Information

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● Company Introduction

Established on December 10, 1980, JC Co., Ltd. has been producing and selling metal surface treatment agent, wastewater treatment agent and so on, and has devoted its best efforts to steady investment and research to lead the related industry.

We have developed Al-Flux(ASSTY), which is the first in Korea to use for brazing automotive and industrial aluminum heat exchangers.

In addition, we developed Al-Paste and Torch Flux, which are used for brazing special areas of Aluminum heat exchanger. Besides, we developed Paste Flux, HB-Flux, Wet-Flux, E-Flux and Coating Flux, which are functional products for Aluminum Heat Exchanger Brazing.

We are always striving to develop functional products, wastewater treatment technology, new light metal welding materials and new technologies.

To this end, we invest about 5% of our annual sales in R&D. With these efforts, we now have 24 patents on intellectual property rights.

We will set future-oriented goals for the prosperity and welfare of mankind, and we will achieve a more environmentally friendly and customer-oriented organizational culture.

● Items

Item	Product Name	Uses and Features
Al-Flux	Al-Flux	Aluminium Brazing / Dry Type, Potassium Aluminium Fluoride salt
	Wet-Flux	Aluminium Brazing / Wet Type
	E-Flux	Aluminium Brazing / Dry Type / Dry application
	HB-Flux	Aluminium Brazing Containing Mg / Dry Type
	Cs-Flux	Low Melting Point / Aluminium Brazing Containing Mg
Paste	Paste-Flux	White Paste Type / Easy workability
	Al-Paste	Brazing the large gap area / Rebrazing / Easy workability
Functional products	Coating Flux	Liquid Type / Apply Dipping or Spray methods / Adhesive Al-Flux
	Dispersing Agent	Reduces the surface tension / Al-Flux is uniformly applied
	Aluminum Cleaner	Remove oil from aluminium surface / Liquid Type (Alkali cleaner)

● Features

Product name	Product image	Product Information
Al-Flux		<ul style="list-style-type: none"> • Dry Type (Non-corrosive fluorine-based) • Potassium aluminium fluoride salt ($\text{KAlF}_4 + \text{K}_2\text{AlF} \cdot 5\text{H}_2\text{O}$) • White powder($5\sim 10\mu\text{m}$) • Excellent brazing
Wet-Flux		<ul style="list-style-type: none"> • Wet Type (Non-corrosive fluorine-based) • White powder($6\sim 12\mu\text{m}$) of Wet type • Water content approx. 20% • There are no Al-Flux dust when mixed with water • Doesn't affect pollution in the workplace environment
E-Flux		<ul style="list-style-type: none"> • Dry Type (Non-corrosive fluorine-based) • White powder($13\sim 20\mu\text{m}$) • Dry application • Electrostatic application by mechanical device • No wastewater due to not using water
HB-Flux		<ul style="list-style-type: none"> • Dry Type (Non-corrosive fluorine-based) • White powder($5\sim 10\mu\text{m}$) • Highly active, it improves fluidity and permeability of filler metal and it is excellent in brazing property • Use to braze Aluminium material containing Mg
Cs-Flux [TAF-4]		<ul style="list-style-type: none"> • Dry Type (Non-corrosive fluorine-based) • White powder($5\sim 10\mu\text{m}$) • Low melting point($420\sim 480^\circ\text{C}$) • Highly active, it improves fluidity and permeability of filler metal and it is excellent in brazing property • Use to braze aluminium material containing Mg
Cs-Flux [TAF-5]		<ul style="list-style-type: none"> • Dry Type (Non-corrosive fluorine-based) • White powder($5\sim 10\mu\text{m}$) • Low melting point($485\sim 510^\circ\text{C}$) • Use to braze aluminium material containing Mg. • Filling aluminum wire inside • Aluminium torch brazing

Product name	Product image	Product Information
Cs-Flux [TAF-8]		<ul style="list-style-type: none"> • Dry Type (Non-corrosive fluorine-based) • White powder, average particle size is large(90~110μm) • Low melting point(420~480℃) • Use to braze aluminium material containing Mg. • Filling aluminum wire inside • Aluminum torch Brazing
Paste Flux [Soluble Type]		<ul style="list-style-type: none"> • White Paste Type (Non-corrosive fluorine-based) • Easy workability due to constant viscosity • Brazing on Single-row Tube • For large aluminium heat exchanger brazing (Power plant cooling system)
Paste Flux [Insoluble Type]		<ul style="list-style-type: none"> • White Paste Type (Non-corrosive fluorine-based) • Easy workability due to constant viscosity • Brazing on B-Tube
Al-Paste		<ul style="list-style-type: none"> • Gray Paste Type (Non-corrosive) • Brazing to areas which have a large gap or without filler metal • Rebrazing bad parts • Easy workability due to constant viscosity • Excellent Brazing due to contain clad powder
Coating Flux		<ul style="list-style-type: none"> • Liquid Type • Adhesive Al-Flux (Non-corrosive) • Apply dipping or spray methods • Applied Al-Flux is not released • Doesn't affect pollution in the workplace environment
Dispersing Agent		<ul style="list-style-type: none"> • Colorless and transparent liquid type • Remove oil from aluminium surface • Reduces the surface tension of aluminium surfaces • Al-Flux is uniformly applied • Affects brazing improvement and clear appearance

Product name	Product image	Product Information
Aluminum Cleaner		<ul style="list-style-type: none"> • Liquid Type (Alkali cleaner) • Remove oil from aluminium surface • No corrosion and discoloration of aluminum material • Good cleaning power and easy to use