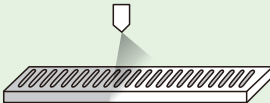
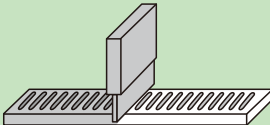
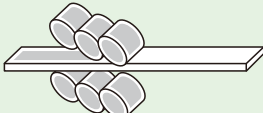
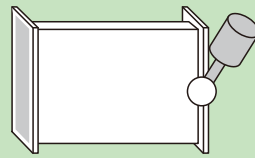


Coating methods of brazing materials and their lineup

Wide variety of brazing products

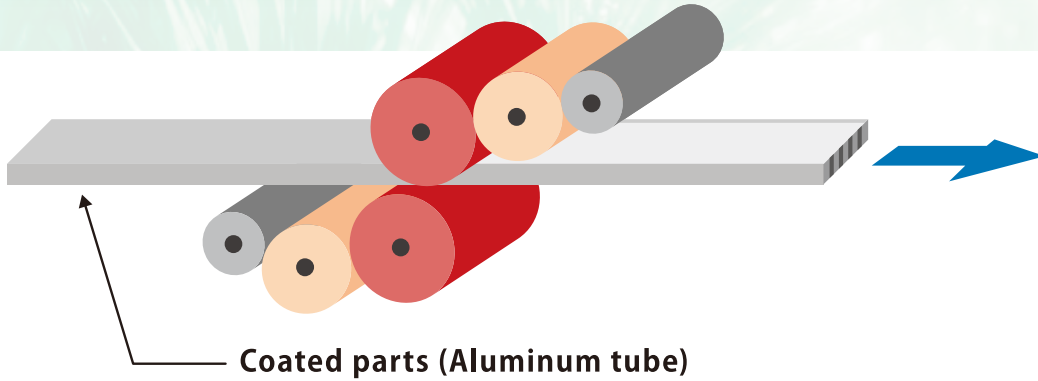
Coating method	Product	Illustration	Charateristics
Spray coating	<p>Flux containing NHP-115-32F</p>		<ul style="list-style-type: none"> • Suitable for the bent or curved surface coating
Flow coating	<p>Flux containing NHP-X1002-39F</p>		<ul style="list-style-type: none"> • Make it possible to coat partially to the parts
Roll coating	<p>Flux containing NHP-X1001-50F</p> <p>Silicon containing NHP-X1003-50FS (EX)</p> <p>Zinc containing NHP-X2200-50Z</p>		<ul style="list-style-type: none"> • Suitable for the flat surface coating • Good evenness • Good yield
Dispense coating	<p>Flux containing NHP-X109-50FG</p> <p>Metal containing NHP-X1600</p>		<ul style="list-style-type: none"> • Make it possible to feed properly to the part • Good yield

※Handle a lot of brazing products except the above.

Paint flux for roll coating

Reduction of flux consumption and improvement of working space

What is roll coating?



The technology of making evenness coating by roll printing

Paint flux for roll coating

Harima original



Thermal degradable binder
Functions; adhesiveness and good degradability



Flux(Potassium fluoroaluminate)
Function; removing oxide film on Aluminum surface



Paint flux for roll coating
Function; suitable viscosity for coating and making strong coated film

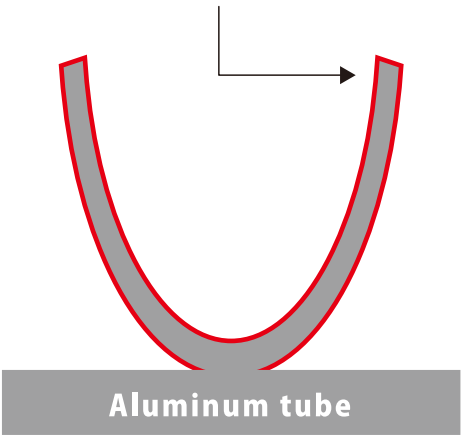
Paint flux for roll coating makes it possible to coat by optimum flux amount.

Anti-corroding Clad-less Brazing Paint (ACBP)

Cost reduction by using bare fin and tube

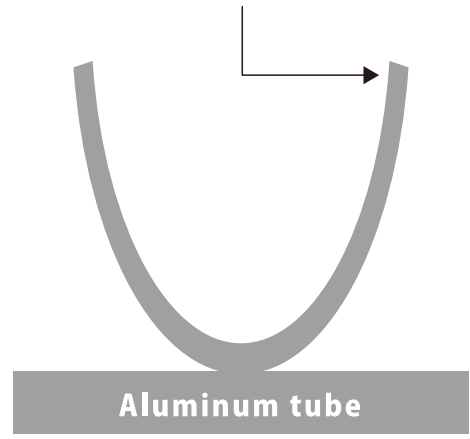
Clad and clad-less

Clad fin
Outer; Al-Si alloy (for brazing)
Inner; Al-Mn-Cu alloy



Expensive as cladding parts

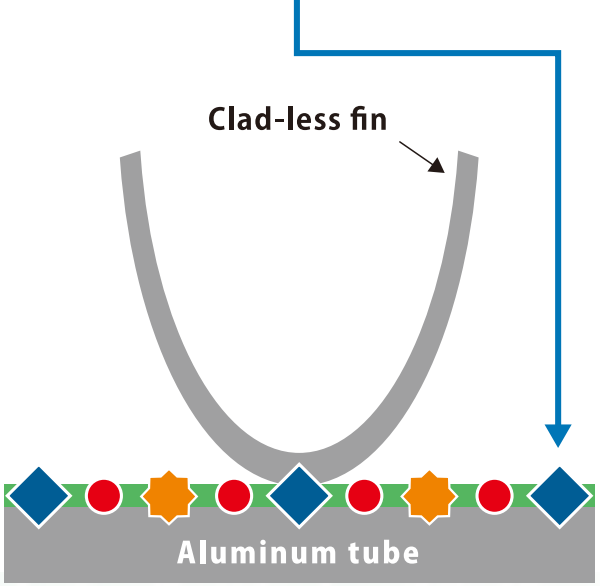
Clad-less fin (Bare fin)
Al-Mn-Cu alloy



Inexpensive as single material
→ But supply of Al-Si alloy is needed

ACBP

To make full use of clad-less fin



Ingredients and functions of ACBP

Ingredients	Functions
★ Si	Joining
● Zn	Anti-corroding
◆ Flux	Removing oxide film
■ Binder	Adhesiveness
Solvent	Controlling viscosity

Make it possible to provide not only joining but also anti-corroding.