



# PYROFLUX POWDER FLUXES

## ALUMINIUM DROSSING AND CLEANING FLUXES

Pyroflux powder fluxes are designed to improve molten aluminium alloy cleanliness, reduce dross metal content, sustain furnace cleanliness and generate high-quality cast products. Some flux recipes can be used with injection systems, and each recipe has been designed for optimal flux performance.

### AVAILABILITY

- 11.3 kg (25 lb) bags
- 227 kg (500 lb) drums
- 907 kg (2000 lb) bulk bags

*NOTE: Manufactured and supplied in North America.*

### USE INSTRUCTIONS

- High metal temperatures increase flux efficiency. In some cases, high temperatures reduce the required flux amount
- Metal temperature, alloy chemistry and treatment time are variables to consider when determining the required flux amounts

The following Pyroflux blends can be used with commercial injection systems:

- Pyroflux 115
- Pyroflux 135
- Pyroflux 310
- Pyroflux 315
- Pyroflux 320
- Pyroflux 335
- Pyroflux 340
- Pyroflux 355
- Pyroflux 356
- Pyroflux 369
- Pyroflux 385

The following Pyroflux blends should not be used with commercial injection systems:

- Pyroflux 105
- Pyroflux 105YH
- Pyroflux 125

### USE INSTRUCTIONS—INJECTION SYSTEMS

Injection fluxes generate an in-situ reaction between treated molten metal and flux. The reaction reduces the flux amount required to treat metal, and injectable fluxes reduce fine chloride or fluoride release when compared to surface fluxes. Addition rates, vessel sizes, treatment times and specific gravity should be considered to determine the correct rotary degassing/injection flux type.

When injecting any flux:

- Set the carrier gas pressure to create good dispersal, but do not radically disturb the vessel surface
- Do not allow the rotor speed to create a vortex at the metal/shaft interface
- Purge the flux line after the injection cycle to transfer all the flux particles to the bath

### STORAGE

One year shelf life from the manufacture date.

### HEALTH AND SAFETY

Refer to the Pyroflux SDS prior to use for proper handling and the required personal protective equipment.



## PYROFLUX POWDER FLUXES

Product	Flux Type				Typical Areas of Use			Application Temperature	Compatible Alloys and Flux Features
	Cover	Dross	Wall Clean	Metal Clean/ Injection	Crucibles/ Ladles	Furnace Holding	Furnace Charging		
Pyroflux 105								704°C (1300°F)	• Mildly exothermic
Pyroflux 105YH	X	X			X	X	X		
Pyroflux 125									
Pyroflux 115	X	X		X	X	X		718° (1325°F)	
Pyroflux 135									
Pyoflux 110	X	X			X	X		718–738°C (1325–1360°F)	• All, except sodium alloys
Pyroflux 390									
Pyroflux 305	X	X			X	X		718–746°C (1325–1360°F)	• Aluminium-Magnesium alloys • Sodium free
Pyroflux 340				X					
Pyroflux 355	X	X		X		X			
Pyroflux 385	X	X				X	704–760°C (1300–1400°F)		
Pyroflux 25	X	X		X					
Pyroflux 25M	X	X							
Pyroflux 310				X				718° (1325°F)	• Hypo-eutectic silicon
Pyroflux 315	X	X		X	X		X	718–746°C (1325–1360°F)	• Aluminium-Magnesium alloys • Mildly exothermic
Pyroflux 320				X				727°C (1340°F)	• Non-magnesium alloys
Pyroflux 330			X			X		718–746°C (1325–1360°F)	• Aluminium-Magnesium alloys • Chloride free
Pyroflux 331								696°C (1285°F)	
Pyroflux 335	X	X		X	X	X		732°C (1350°F)	• Aluminium-Magnesium alloys • Fluoride free
Pyroflux 356	X	X		X		X	X	649–760°C (1200–1400°F)	• All aluminium alloys • Fluoride free • Chloride free
Pyroflux 369				X				718° (1325°F)	• Hyper-eutectic silicon • Sodium free
Pyroflux 375	X	X		X			X	718–746°C (1325–1360°F)	
Pyroflux N16S	X	X		X	X	X	X	650°C (1200°F)	
Pyroflux 15	X	X		X	X	X	X	691°C (1275°F)	• Mildly exothermic • Sodium tolerant alloys
Pyroflux 35			X			X	X	732°C (1350°F)	
Pyroflux N14S	X	X		X	X	X	X	621°C (1150°F)	• All, except those with high magnesium, copper, zinc and hypereutectic silicon levels
Pyroflux P-12	X	X						593°C (1100°F)	

