



**Compounds**

- HiTemp™ Filler Compound
- Electrical Joint Compound
- Filler Compound





**Application**

Filler Compound for compression accessories installed on conductors operating at temperatures up to 250°C (482°F). (Compression accessories includes: dead ends, joints, terminals and jumper connectors)

**HiTemp™ Filler Compound (AFCHT™)**

AFCHT is recommended for compression fittings due to its ability to improve the mechanical holding strength and conductivity. It is designed to withstand the increased temperatures of High Temp/Low Sag conductors. Stored in a dry environment, AFCHT has an infinite shelf life.

**Features**

**Wide Temperature Tolerance:** AFCHT is workable at -17°C (0°F) and does not drip at high temperatures. It has a melting point above 250°C (482°F).

**Improves Holding Strength and Conductivity:** During compression, the grit contained in AFCHT is embedded between the conductor and the accessory, creating an irregular surface which provides two benefits: (1) increases the holding strength when tension is applied and (2) improves conductivity by breaking the oxide layer on bare metal to metal connections.

**Moisture Resistant:** AFCHT is forced between the conductor strands during compression, filling voids and sealing out the harmful effects of air and moisture.

**Ordering Information**

CATALOG NUMBER	PACKAGING
AFCHT10T	One pound tube (451 g), carton of 10 tubes (fits standard caulk gun)
AFCHT1GAL	One gallon pail, 11 Lbs (5 kg)
AFCHT5GAL	Five gallon pail, 55 Lbs (25 kg)



**Application**

Filler compound for compression accessories operating at temperatures up to 180° C (355° F). Example: dead ends, compression joints, terminals and jumper connections.

**ACA Filler Compound (AFC)**

ACA Filler Compound (AFC) improves the mechanical holding strength and conductivity of compression fittings. Stored in a dry environment, AFC has an infinite shelf life.

**Features**

**Workable at Low Temperatures:** AFC is stiff but workable at low temperatures. To improve the workability, AFC can be diluted with 5% kerosene (by weight).

**Improved Holding Strength and Conductivity:** AFC contains hard, metallic particles (grit). During compression, the grit is embedded between the conductor and the accessory, creating an irregular surface which provides two benefits: (1) increases the holding strength when tension is applied and (2) improves conductivity by breaking the oxide layer on bare metal to metal connections.

**Weather Resistant:** AFC is forced between the conductor strands during compression, filling voids and sealing out the harmful effects of air and moisture.

**Ordering Information**

CATALOG NUMBER	PACKAGING
AFC10T	One pound tube (451 g), carton of 10 tubes (fits standard caulk gun)
AFC1GAL	One gallon pail, 11 Lbs (5 kg)
AFC5GAL	Five gallon pail, 55 Lbs (25 kg)



## Alnox® Electrical Joint Compound

Alnox contains extremely hard metallic particles with sharp and irregular shapes of carefully controlled grain size. This forms many metal to metal contact points for low resistance connections. Alnox can also be used as a filler compound for compression fittings. Stored in a dry environment, Alnox has an infinite shelf life.

### Features

**Weather Resistant:** Alnox adheres to the pad surfaces, protecting the connection against the harmful effects of the environment.

**Wide Temperature Tolerance:** Alnox has a wide temperature tolerance. It is workable at low temperatures,  $-18^{\circ}\text{C}$  ( $0^{\circ}\text{F}$ ) and does not drip at high temperatures. It has a melting point above  $288^{\circ}\text{C}$  ( $550^{\circ}\text{F}$ ).

### Application

- Pad to pad connections where the operating temperatures are at or below  $250^{\circ}\text{C}$  ( $482^{\circ}\text{F}$ ).
- Parallel groove clamps
- Filler compound for compression fittings

### Ordering Information

CATALOG NUMBER	PACKAGING
ALNOX10T	8.82 oz tube (250 g), carton of 10 tubes
ALNOX10TCAULK	One pound tube (.45 kg), carton of 10 tubes (fits standard caulk gun)
ALNOX12CAN	One pound can (.45 kg), carton of 12 cans
ALNOX1GAL	One gallon pail, 10 Lbs (4.5 kg)
ALNOX5GAL	Five gallon pail, 50 Lbs (22.7 kg)



## Alnox® UG Electrical Joint Compound

Alnox UG is recommended for use in underground applications. It is recommended for Aluminum to Aluminum and Aluminum to Copper connections where compatibility to rubber products is required. It has the same characteristics as Alnox, but with less electrical efficiency. Stored in a dry environment, Alnox UG has an infinite shelf life.

### Features

**Low Electrical Resistance:** Alnox UG contains extremely hard metallic particles with sharp, irregular shapes of carefully controlled grain size. This forms many metal to metal contact points for low resistance connections.

**Weather Resistant:** Alnox UG adheres to pad surfaces and parallel groove clamps, protecting the connection against the environment.

**Wide Temperature Tolerance:** It is workable at low temperatures,  $-18^{\circ}\text{C}$  ( $0^{\circ}\text{F}$ ) and will not drip below  $190^{\circ}\text{C}$  ( $375^{\circ}\text{F}$ ).

### Application

- Flat to flat connections below  $190^{\circ}\text{C}$  ( $375^{\circ}\text{F}$ ) such as bus to bus, dead end terminals, aluminum to aluminum and aluminum to copper.
- Parallel groove clamps.
- Underground applications.

### Ordering Information

CATALOG NUMBER	PACKAGING
ALNOXUG10T	8.82 oz tube (250 g), carton of 10 tubes
ALNOXUG12CAN	One pound can (.45 kg), carton of 12 cans
ALNOXUG1GAL	One gallon pail, 10 Lbs (4.5 kg)
ALNOXUG5GAL	Five gallon pail, 50 Lbs (22.7 kg)



## No. 2 Electrical Joint Compound (No. 2 EJC)

No. 2 EJC compound provides efficient and trouble free service on aluminum to aluminum and aluminum to copper connections. Stored in a dry environment, No. 2 EJC has an infinite shelf life.

### Features

**Lowest Electrical Resistance on Flat Surfaces:** No. 2 EJC has the lowest electrical resistance on flat surfaces because it is a grease type medium that dissolves the oxide on connectors. Unlike other compounds of its kind, it only attacks the oxide. No. 2 EJC creates a light surface etch with no deep, localized attack.

**Weather Resistant:** No. 2 EJC adheres to pad surfaces, protecting the connection.

**Proven Performance:** Years of service and laboratory testing proves No. 2 EJC is trouble free.

### Application

- Terminal to dead end connections for applications under 93° C (200° F).
- Flat to flat surfaces such as bus to bus, aluminum to aluminum and aluminum to copper.

### Ordering Information

CATALOG NUMBER	PACKAGING
EJC10T	8.82 oz tube (250 g), carton of 10 tubes
EJC12CAN	One pound can (.45 kg), carton of 12 cans
EJC1GAL	One gallon pail, 11 Lbs (5 kg)
EJC5GAL	Five gallon pail, 55 Lbs (25 kg)

## Compound Specifications

PRODUCT	TEMPERATURE RANGE	APPLICATION	GRIT	SHELF LIFE	COMPOUND COLOR	MSDS #
AFCHT	Up to 250°C (482°F)	Filler for compression fittings such as compression deadends, joints and terminals and pad to pad connections where temperature range is over 120°C (250°F)	Yes	Infinite	Tan	1306
AFC	Up to 180°C (250°F)	Filler for compression fittings such as compression deadends, joints and terminals and pad to pad connections	Yes	Infinite	White	325
No. 2 EJC	Up to 93°C (200°F)	Aluminum to aluminum and aluminum to copper flat connections	No	Infinite	Brown	91
Alnox®	Up to 200°C (392°F)	Aluminum to aluminum and aluminum to copper flat connections, parallel groove clamps, filler for compression fittings	Yes	Infinite	Grey	323
Alnox® UG	Up to 190°C (375°F)	Aluminum to aluminum and aluminum to copper flat connections, parallel groove clamps where compatibility to rubber products is required	Yes	Infinite	Grey	324