

# BURNDY

## Accessories



## PENETROX A, A-13 AND E

### TECHNICAL INFORMATION

#### PENETROX A

PENETROX A consists of a natural (petroleum) base vehicle in which zinc particles are suspended. For aluminum to aluminum, aluminum to copper applications and aluminum conduit threads. It is not recommended for use with rubber and polyethylene insulated conductors. UL listed to 600 volts.

#### PENETROX A-13

PENETROX A-13 consists of a non-petroleum base vehicle in which zinc particles are suspended. Recommended for aluminum to aluminum, aluminum to copper applications and aluminum conduit threads. Compatible with insulating materials such as rubber, or polyethylene. UL listed and recommended for all voltages.

#### PENETROX E

PENETROX E consists of a non-petroleum base vehicle in which copper granules are suspended. Recommended for copper to copper applications, grounding and for use on copper conduit threads. UL listed.

#### Easy to apply:

1. Scratch brush the conductor surfaces until bright and clean.
2. Immediately apply PENETROX to the conductive surfaces.
3. For EHV applications, remove all excess PENETROX after installation is complete.

#### SHELF LIFE

When stored in its original container in cool (under 100°F) dry environment, PENETROX oxide inhibiting compound will remain workable and functional for (5) years from the date marked on the container provided it is mixed per instructions prior to use.



### PROPERTIES OF PENETROX®

PROPERTY	VALUE PENETROX® DEFINITION	PENETROX® E & A13	A
PENETRATION (UNWORKED)	The value in accordance to ASTM D217 indicates the consistency of a grease. The higher the number, the softer the grease.	250	230
DROPPING POINT (MIN)	The temperature at which the grease passes from the semi-solid to a liquid state under test conditions.	500°F	230°F
POUR POINT (MAX.)	The lowest temperature at which the compound will flow. Pour point is the lubricant's ability to perform in cold conditions.	-10°F	-15°F

\* MSDS sheets available through customer service.

### ORDERING INFORMATION

CATALOG NUMBER		CONTAINER		CONTAINER TYPE	SIZE
PENETROX® A	PENETROX® A-13	PENETROX® E			
PENA 1/2	PEN A13-3	-		TUBE	3 oz.
PEN A-4	PEN A13-4	PEN E-4		SQUEEZE BOTTLE	4 oz.
P8A	PEN A13-8	PEN E-8		SQUEEZE BOTTLE	8 oz.
PEN A-1LB	PENA13-1LB	-		CARTRIDGE	1 lb.*
PEN A-QT	PEN A13-qt	PEN E-QT		PLASTIC TUB	1 QUART
PEN A-GAL	PEN A13-GAL	PEN E-GAL		CAN	1 GALLON
PEN A-5GAL	PEN A13-5GAL	PEN E-5GAL		PAIL	5 GALLONS
PEN A-55GAL	PEN A13-55GAL	PEN E-55GAL		DRUM	55 GALLONS

\* 1 lb. cartridge will fit standard caulking guns.

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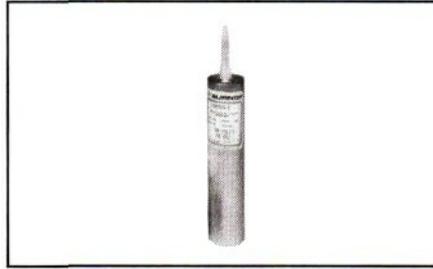


### TYPES PENETROX® A, A-13 AND E

#### OXIDE-INHIBITING JOINT COMPOUNDS

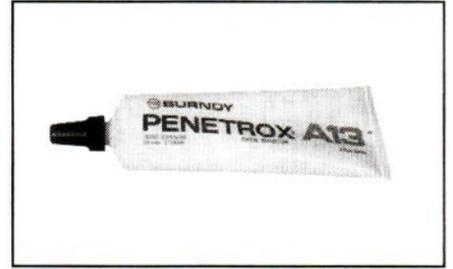
PENETROX® oxide-inhibiting compounds produce low initial contact resistance, seal out air and moisture, prevent oxidation or corrosion, exhibit superior weathering characteristics, are usable over wide temperature ranges, and provide a high conductivity "gas-tight" joint. All PENETROX® compounds contain homogeneously suspended metal particles. The suspended metal particles assist in penetrating thin oxide films, act as electrical "bridges" between conductor strands, aid in gripping the conductor, improve electrical conductivity and enhance the integrity of the connection.

The specially formulated PENETROX compounds are for use with compression and bolted connectors providing an improved service life for both copper and aluminum connections. Additionally, the non-toxic compounds are an excellent lubricant for threaded applications reducing galling and seizing.



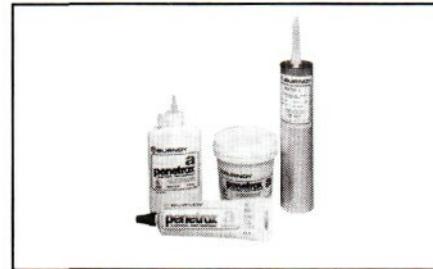
#### PENA-1 LB

PENA-1 LB is a 1 lb. cartridge filled with PENETROX-A. It's designed to fit standard caulking guns for easy insertion into transmission and distribution connectors. Additionally, this packaging design provides a convenient method for applying PENETROX to many different applications.



#### PENETROX A-13

PENETROX A-13 is a synthetic base compound with evenly suspended zinc particles. It is recommended for aluminum to aluminum, aluminum to copper connection plus aluminum conduit threads. It is compatible with rubber, polyethylene and other insulating materials. UL listed for all voltages.



#### PENETROX A

PENETROX A is a natural (petroleum) base compound with evenly suspended zinc particles. It is recommended for aluminum to aluminum, aluminum to copper connections and aluminum conduit threads. It is not recommended for use with rubber or polyethylene insulated conductors. UL listed to 600V.



#### PENETROX E

PENETROX E is a synthetic base compound with evenly suspended copper particles. It is recommended for copper to copper, copper threads and all grounding applications. UL listed.