

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 film, 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.

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 connections 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.

**PENETROX™ A, A-13 and E****TECHNICAL INFORMATION****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 five (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 Type	Size
PENETROX A	PENETROX A-13	PENETROX E		
PENA1/2	—	—	Tube	1/2 Oz.
PENA-4	PENA13-4	PENE-4	Squeeze Bottle	4 Oz.
P8A	PENA13-8	PENE-8	Squeeze Bottle	8 Oz.
PENACARTRIDGE	PENA13CARTRIDGE	—	Cartridge	1 Lb.*
PENA-QT	PENA13QT	PENE-QT	Plastic Tube	1 Qt.
PENA-GAL	PENA13-GAL	PENE-GAL	Can	1 Gal.
PENA-5GAL	PENA13-5GAL	PENE-5GAL	Pail 5	Gal.
PENA-55GAL	PENA13-55GAL	PENE-55GAL	Drum	55 Gal.

* 1 Lb. Cartridge will fit standard caulking guns.