

**PENETROX™ A, A-13, E AND HT**

**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 to 600 volts.

**PENETROX HT**

PENETROX HT consists of a non-petroleum base vehicle in which zinc and nickel-aluminum particles are suspended. Recommended for use with aluminum to aluminum High Temperature rated ACSS and ACCC conductors. Not 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 of Manufacture (MO) marked on the container.



**PROPERTIES OF PENETROX™**

Property	Value PENETROX™ Definition	PENETROX™ HT	PENETROX™ E & A13	PENETROX™ A
Penetration (Unworked)	The value in accordance to ASTM D217 indicates the consistency of a grease. The higher the number, the softer the grease.	240	250	230
Dropping Point (Minimum)	The temperature at which the grease passes from the semi-solid to a liquid state under test conditions.	>580° F	350° F	230° F
Pour Point (Maximum)	The lowest temperature at which the compound will flow. Pour point is the lubricant's ability to perform in cold conditions.	-58° F	-40° F	-15° F

\*MSDS sheets available through customer service.

**ORDERING INFORMATION**

Catalog Number				Container Type	Container Size
PENETROX™ A	PENETROX™ A-13	PENETROX™ E	PENETROX™ HT †		
PENA 1/2	—	—	—	Tube	1/2 oz.
<b>PENA-4</b>	<b>PENA13-4</b>	<b>PENE-4</b>	<b>PENHT-4</b>	Squeeze Bottle	4 oz.
<b>P8A</b>	<b>PENA13-8</b>	<b>PENE-8</b>	<b>PENHT-8</b>	Squeeze Bottle	8 oz.
<b>PENACARTRIDGE</b>	<b>PENA13CARTRIDGE</b>	—	<b>PENHT1LB</b>	Cartridge	1 lb.*
<b>PENA-QT</b>	<b>PENA13-QT</b>	<b>PENE-QT</b>	—	Plastic Tub	1 Quart
<b>PENA-GAL</b>	<b>PENA13-GAL</b>	<b>PENE-GAL</b>	<b>PENHTGAL</b>	Can	1 Gallon
<b>PENA-5GAL</b>	<b>PENA13-5GAL</b>	<b>PENE-5GAL</b>	—	Pail	5 Gallons
<b>PENA-55GAL</b>	<b>PENA13-55GAL</b>	<b>PENE-55GAL</b>	—	Drum	55 Gallons

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

† Not UL Listed.



Blue highlighted items are industry standard and most frequently ordered.