



# GRN

## MOUNTING AND ANTI-SEIZING PASTE HALOGEN-FREE GRAPHITE

### DESCRIPTION

Anti-seize graphite-based paste of nuclear quality for threads. Chlorine-free, sulphur-free and fluorine-free anti seize paste, stable at high temperatures. Facilitates the running-in and dismantling of parts.

### APPLICATIONS

GRN is recommended for the following applications:

- Nuclear plants, power stations, radiotherapy and radiodiagnosis equipment, or all other equipment subjected to ionizing radiation.
- Can be used in very high temperature situations and humid environments.
- Protection of cylinder head stay rods, lubrication of taps and valves.
- Cylinder head bolts, manifold bolts and gaskets, flange gaskets, valves, burners, low-speed roller bearings, plain bearings.
- Lubrication when an electrically conductive lubricant is required.
- Effective on all types of metals: STAINLESS STEEL, steel, galvanised steel, aluminium, brass, etc.

### PRODUCT BENEFITS

- Improves anti-seizing power.
- Facilitates the assembly and dismantling of metal assemblies subjected to aggressive environments (humidity, heat, aggressive chemicals, etc.).
- Very good resistance to heat and humid environments.
- Excellent electrical conductivity.
- Protects treated assemblies against corrosion.
- Facilitates running in of mechanical assemblies.
- Facilitates dismantling of treated assemblies even after several years of exposure to various harsh chemicals or environments.
- Its low sulphur, fluorine, and chlorine content is guaranteed through systematic controls of each batch, which guarantees and improves its lubricating, anti-corrosion properties.
- **PMUC APPROVALS** : no. 04016.

### PHYSICAL PROPERTIES

Colour .....	Black
Texture .....	Smooth
Drop point.....	None
Penetration at 25° C.....	265-295
NLGI grade.....	2
Operating temperature range .....	- 80° C to + 250° C (900° C for dry lubrication)
Graphite content.....	20 %
Chlorine, Sulphur, Fluorine content.....	< 200 ppm

## DIRECTIONS FOR USE

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Apply **GRN** with a fine or large brush or sprayer prior to assembly, onto clean and degreased parts. Clean the parts with a PMUC degreaser (**ORAPI 517 - A 62 NU**) then apply the **PATE GRN**.  
For threaded assemblies, a fine coat must be applied to the entire surface.  
For screw / nut assemblies, the paste must be applied evenly on the male part so as to completely fill the threading.  
Bearings\* must be filled with the paste to 2/3 of the maximum.  
When assembly is complete, wipe away the excess **GRN**.

\*Only recommended for bearings that turn at low speeds.

## STORAGE & SAFETY

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Store in closed original packaging, sheltered, without any specific storage condition. The product is not hazardous under normal conditions of use.

*For further information, please consult the Materials Safety Data Sheet.*

## PACKAGING

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Aerosol 650 ml x 12	(ref: O-613-A4)
Tube 200 g x 12	(ref: O-613-T4)
Tin 500 g x 6	(ref: O-613-B6)

## WARRANTY

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