

## STOP-OFF COATINGS

### GREEN-LABEL stop-off coating against carburizing – water-based

Highly effective stop-off protection for use with vacuum or gas carburizing: **temperatures up to 1900°F and depth up to 0,118" depending on the coating thickness. Applied by painting, dipping and spraying (airless system).**

To clean parts after carburizing simply wash them with soap and water. The tools can be cleaned the same way. Removal of the product is ecologically safe.



GREEN-LABEL stop-off coating

#### EXTENT OF SUPPLY:

Plastic bucket	4,5 kg
Barrels	260 kg

### BLUE LABEL stop-off coating against nitriding – water-based

Highly effective protection against nitriding by one or more applications depending on the requirements. The product should not be heated above 400°F / 204°C without a protective gas atmosphere. After nitriding, the residue may be removed with a cloth or stiff brush. Clean up tools with soap and warm water.



BLUE-LABEL stop-off coating

#### EXTENT OF SUPPLY:

Pints and quarts
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Both products are ecologically safe. Tools can be cleaned with soap and warm water and hazardous waste removal is unnecessary.

*Eco.? of course!  
... and effective.*

## COPPER LABEL



**AVION COPPER-LABEL** is an extremely effective stop-off paint against carburizing, which can be used in all fields of heat treatment processes except for nitro carburizing. The paint is especially useful to depths up to 3 mm.



- very economical – one single coat is sufficient
- solvent-free
- less glazing effects as known with other carburizing stop-offs
- especially suited as carburizing stop-off of external threads and short gear teeth
- applicable by brushing, dipping, spraying and dispensing guns
- removal by wire brushing or blasting



*Thick skin  
less glazing...*

Removal of Copper-Label by wire brushing or sandblasting because of the excellent adhesion quality on your parts.

Available in 1 kg and 4,5 kg pails or 260 kg gallon drums.

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## NITRO-STOP NDB



**AVION's** water based nitriding and carburizing stop-off coating NDB is developed especially for all nitriding processes.

This sustainable coating is a completely organic product with ceramic components, which provide a hard and abrasion-resistant coating for all types of metal during the heat treatment.

Easy handling by brushing, spraying or dipping like ordinary housepaint, removal of the coating with steel brush, sandblasting or other mechanical processes.

No ignition hazard as the coating is free of solvents.

### Characteristics:

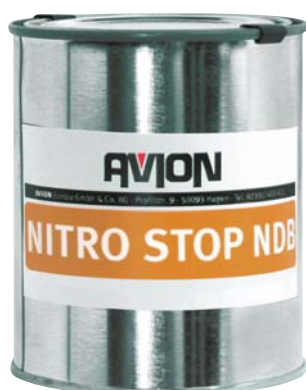
- 100% efficient for all types of metal, even high-alloys, and processes
- easy handling
- water based, therefore easy cleaning of tools with water
- hard and abrasion-resistant coating

### Application in:

- nitriding, including plasma-nitriding
- vacuum
- gas-carburizing
- carbonitriding
- salt bath treatment

### Operating instruction:

- Cleaning of surface from oil, scales, etc prior to application
- apply 2 or 3 coatings by brushing, spraying or dipping
- thoroughly drying at room temperature
- suitable for heat treatment processes up to 1.200°C



*Avion Nitro-Stop:  
Very unique  
because very  
universal...*

Available in 1 kg pails.

## ZIRC-LABEL

Ultra-pure zircon oxide paste (zircon gel) as coating providing coating against melt reactions between graphite frames and the material to be hardened. It is able to replace expensive ceramic or molybdenum melting barriers to a large extent.

**ZIRC-LABEL** is applied as a thin parting layer direct to the clean, dust and grease-free graphite (CFC) surface. It prevents graphite-metal reactions in vacuum furnaces.

### Ideal for

- CFC frames
- Graphite supports in vacuum furnaces
- Crucibles
- Cores

**ZIRC-LABEL** is easy to handle and environmentally compatible since it is water-based. Brushes and other tools can be cleaned with water and the viscosity optimized by the addition of water.

- Temperature range: 1900 °C (> 3500 °F)
- Contains no silica
- Easy to apply
- High chemical resistance
- Can be dissolved excellently



*Coat your graphite,  
save your money!*

**Form of delivery:** 9 kg bucket, as paste

**with**  
ZIRC-LABEL



**without**  
ZIRC-LABEL

