

# ***UNDERBODY COATINGS***

***MORE VARIETIES THAN YOU THOUGHT***

***FOR MORE APPLICATIONS THAN YOU CAN IMAGINE***

***OVERPAINTABLE STONE CHIP COATINGS***

***BITUMEN BASED SOLVENT BORNE***

***ACRYLIC WATER BORNE***

***ZERO EMISSION***



Certified Management System  
DIN ISO EN 14001



**DINITROL**





## HISTORY

The DINITROL brand has been in the Corrosion Preventatives market since the 1950's. Market segments such as Aviation, Automotive, Transportation, Industrial and Marine, have found that DINITROL is more than just a product. It is a brand they can trust, to provide the best solution for their corrosion protection needs.

New as well as used objects, have been treated with products from the DINITROL range. An estimated 10 million vehicles are treated each year with our Corrosion Preventatives, world-wide.



## MARKET SEGMENTS

- Our Underbody Coatings are applied on everything from new production (OEM) trains, buses and trucks, to oilrigs, pipes, bridges and shipping containers.
- Mobile Home, Coach and RV applications can help the manufacturers and dealers offer better solutions for Corrosion Protection of their vehicles.
- If you are in Aftermarket Body Repair, DINOL offers top of the line corrosion prevention and sound damping for all users, from the large, professional station networks to the do it yourself handyman or woman.



## COMPLETE SYSTEM FOR QUALITATIVE REPAIR



CAVITY PROTECTION



UNDERBODY COATING



STONE-CHIP PROTECTION

### Underbody Coatings

#### SOLVENT BORNE PRE-TREATMENT

DINITROL ML



#### BITUMEN BASED UBS

DINITROL 4941



DINITROL 4942



DINITROL 620-85 GOLD



DINITROL 479



#### STONE-CHIP PROTECTION

DINITROL 440



DINITROL 441



DINITROL 442



DINITROL 445



DINITROL 447



#### WATERBORNE STONE-CHIP PROTECTION

DINITROL 448



DINITROL 449



DINITROL 429



DINITROL 958



#### WATERBORNE SOUND DAMPING

DINITROL 957 IQ



DINITROL 9220



DINITROL 956 SD



#### ZERO EMISSION UBC

DINITROL 3625



## PRODUCT CHARACTERISTICS & APPLICATIONS

### SOLVENT BORNE PRE-TREATMENT

#### • DINITROL ML

Characteristics:

- Brown
- Extremely Penetrating
- Stops ongoing corrosion
- Water displacing
- Oily, flexible film
- Wet in wet with bitumen UBC



Applications:

DINITROL ML is designed for application into closed cavities such as doors, frame members and exterior joints and crevices. The product can be used for rust-proofing of second-hand cars, trucks, buses and other vehicles.

### BITUMEN BASED UBS

#### • DINITROL 4941 / 4942

Characteristics:

- Black / Brown bronze color
- OEM references
- Robust, universal film
- Self-healing
- Good abrasion resistance
- Component protection
- Temperature resistant
- Low temperature flexible

Applications:

DINITROL 4941 / 4942 is an underbody product for use in the treatment of vehicles during production, at import plants and in aftermarket applications. When applied to a clean, dry surface, it adheres to both painted surfaces and those coated with a layer of PVC or similar material. Zinc, rubber and plastics are completely unharmed by the product. A clean and economic treatment on the line is assured by the product's ease of application and high dry matter content. DINITROL 4941 / 4942 is also designed for use on spare parts, machines and iron and steel structures in highly corrosive environments. DINITROL 4941 is also very suitable as an anticorrosive coating for transport and warehousing under extremely corrosive conditions.

#### • DINITROL 620-85 GOLD

Characteristics:

- Brown Bronze
- Highly thixotropy
- 85 % solids
- Warm application
- High film build
- Excellent low temperature flexibility

Applications:

The dry, waxy film of DINITROL 620-85 Gold is brown / bronze colored and elastic. It has excellent adhesion to both painted and bare sheet metal. The film is also resistant to heat and maintains its flexibility at low temperatures. DINITROL 620-85 Gold is primarily designed as an underbody corrosion preventative for vehicles such as cars, trucks and buses on the aftermarket and PDIs. A clean and economical treatment is assured by the ease of application of the product.

#### • DINITROL 479

Characteristics:

- Black
- Extremely thixotropic
- Road sound damping
- High abrasion resistance

Applications:

DINITROL 479 is a thick corrosion preventative compound with a "rubbery" consistency which forms a very hard, elastic, wear resistant protective film with extremely good sound damping properties. The product has high thixotropy, contains low aromatic solvent that do not attack paints, plastics and rubber parts of the car. The thick layer of coating has a heavy-duty structure, which looks like orange peel and absorbs outside road noise resonance from vibrations of vehicle parts as well as dampens sound from stone chip and sand attacks.

### STONE-CHIP PROTECTION

#### • DINITROL 440 / 441 / 442 / 445

Characteristics:

- Black, white, grey
- Synthetic resin/plastic-based
- Anti-drone effect
- For stone chipping and bodywork protection
- Easy-to-use spray
- Overpaintable

Applications:

DINITROL 440 / 441 / 442 / 445 is a synthetic resin/ plastic-based product with anti-drone effect for stone chipping and bodywork protection. The easy-to-use spray is particularly designed for small repair tasks and the DIY sector.

#### • DINITROL 447

Characteristics:

- Black, light grey
- Quick-drying
- Rubber-synthetic resin base
- Higher rust protection
- Permanently elastic
- Overpaintable



Applications:

As corrosion protection on the bodywork rear side, as protection against stone chippings on front and rear valances, to improve damaged, but healthy underbody protective films. Good compatibility with cleaning films and asphalt underbody protective types with bitumen or high oil content.

### WATERBORNE STONE-CHIP PROTECTION

#### • DINITROL 448

Characteristics:

- Black, light grey
- Water borne
- Environmentally friendly
- Hard film
- Stone chip protection
- Overpaintable

Applications:

As stone chipping protection on front and rear vehicle areas, door sills and entrances. As an anti-drone agent on flat vehicle parts and as repair material to retouch original stone chipping protective films.

**Special Order Item.**

**Minimum Order Quantity may be required.**

# UNDERBODY COATINGS

## PRODUCT CHARACTERISTICS & APPLICATIONS



### • DINITROL 449

Characteristics:

- Black, Grey
- Water borne
- Splash resistant after 15 minutes
- Quick drying
- Sound damping
- Overpaintable

Applications:

DINITROL 449 is an environmentally friendly Stone chip and Corrosion preventative product with Sound damping properties. The product has excellent protection against stone chips and other influences in all different climate changes. DINITROL 449 is applied as repair and improvement of stone chip protection on used as well as new vehicles.

### • DINITROL 429

Characteristics:

- Black
- Water borne
- Environmentally friendly
- Hard film
- Stone chip protection
- No labling

Applications:

DINITROL 429 can either be applied with brush, low or high pressure equipment. The spraying is recommended airless with a product temperature of + 15°C – 20°C. DINITROL 429 is designed for treatment of cars, buses, trucks and other vehicles on line application as well as in the aftermarket.

### • DINITROL 958

Characteristics:

- Black
- Water borne
- Environmentally friendly
- Hard film
- Stone chip protection
- No labling
- Overpaintable

Applications:

DINITROL 958 is quick drying water based stone chip protection product. DINITROL 958 provides a black elastic film, which efficiently protects the vehicle body from stone chips and road salt. DINITROL 958 is environmen-



tal friendly as it is free from solvent. DINITROL 958 is designed for treatment of cars, buses, trucks and other vehicles in the aftermarket. The product is designed to protect the most exposed parts such as doorsills, spoilers, bumpers, wheel arches, and edges. DINITROL 958 can be over painted after drying with most car lacquers.

### WATERBORNE SOUND DAMPING

### • DINITROL 957 IQ

Characteristics:

- Black
- Excellent acoustic properties
- Fast-drying
- Solvent-free
- Long storage life, 1 year
- Overpaintable
- Passes fire test of German Railways

Applications:

DINITROL 957 IQ is used for sound reduction of engine supporting, e.g. for diesel engines, of trains, recreational vehicles, vehicle parts (doors, motor covers, gear coverings etc.). It can also be used for sound reduction in air ventilation systems and garbage containers (e.g. glass containers).

**Special Order Item.**

**Minimum Order Quantity may be required.**

### • DINITROL 9220

Characteristics:

- Grey
- Water borne
- Stone chip protection
- Sound damping
- Corrosion protection

Applications:

DINITROL 9220 is designed for sound damping applications on Buses, Trains, Commercial vehicles and Cars. It is used for underbody coating and stone chip protection. Specific use is the engine compartment and underbody of Buses as well as underbody and interior of trains. Other areas for use is sound deadening of aggregate buildings and metal constructions in vehicle-, railway- and shipbuilding, turbine housings, metal doors and air-condition plants.

**Special Order Item.**

**Minimum Order Quantity may be required.**

### • DINITROL 956 SD

Characteristics:

- Grey
- Water borne
- Environmentally friendly
- VOC free
- Stone chip protection
- Sound damping



Applications:

DINITROL 956 SD is a sound deadening coating based on waterborne dispersion. The product is free of VOC's. It has an excellent adhesion on E-coat and primers, and good damping properties as well as corrosion resistance. DINITROL 956 SD is designed for sound damping applications on Buses, Trains, Commercial vehicles and Cars. It is used for underbody coating and stone chip - protection. Specific use is the engine compartment and underbody of Buses as well as underbody and interior of trains. Other areas for use is sound deadening of aggregate buildings and metal constructions in vehicle-, railway- and shipbuilding, turbine housings, metal doors and air-condition plants.

**Special Order Item.**

**Minimum Order Quantity may be required.**

### ZERO EMISSION

### • DINITROL 3625

Characteristics:

- Black
- Solvent free
- Air drying
- For underbody and universal applications
- High flexibility
- Good stone chip protection

Applications:

DINITROL 3625 is an underbody coating based on alkyl and oil. The high thixotropy in the material makes it resistant to moderate splash already 15 minutes after application. The drying process is cross linking by reaction with oxygen. The film formed by the product is tack free after complete curing but still remains flexible. The dry-ing time at 23°C, is 12 – 24 h.

**Special Order Item.**

**Minimum Order Quantity may be required.**





## INDUSTRIAL FOCUS

In Parallel, a completely different segment has been a big part of our business called General Industrial Applications. The range of products for these applications is very comprehensive and can cover basically all different areas that can be found.

General Industry has allowed DINOL to expand its offering and product knowledge to a non-transportation segment where corrosion related concerns continue to grow.

The products, equipment and applications presented in this brochure is applicable for all different types of industry. We have often used the offshore applications as the reference field as it is a tough environment. The products and concept can of course be adapted to fulfil a wide range of other applications and specifications.

Niklas Thulin  
Product Manager  
Corrosion Prevention



# UNDERBODY COATINGS



## WE OFFER VARIETY OF TECHNOLOGIES

Over the years, our experience and know-how come from choosing the best raw materials and providing our customer(s) solutions on how best to apply these materials to achieve optimal performance.

For many users, the solvent borne technology is the most convenient and easy to use product range. We offer everything from traditional bitumen based corrosion preventatives to long lasting stone chip protection products, keeping the vehicle or object they are applied to, in service for a long time.

If the Water Borne technology is more appealing, DINOL offers many different varieties and color options. Robust corrosion protection to strong sound damping acrylics will cover the most complicated challenges.

More and more requirements regarding emissions are pushing the development of Zero Emission products forward. This type of product technology, does not contain any organic solvent or water. What is applied on the object, stays on the object.

An important property for stone chip protection is overpaintability. Our products in this segment are all overpaintable. Some wet in wet and even miscible with paints.

Bitumen Based

Acrylic Dispersion

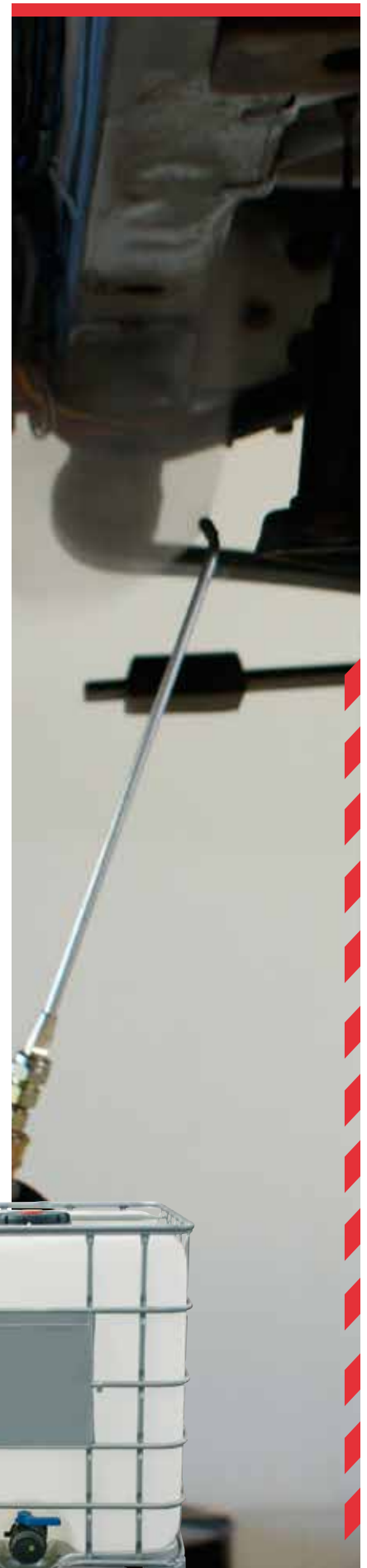
Solvent Borne

Zero Emission

## PACKAGING

DINOL currently packages all products in house with state of art equipment, from aerosol filling to 1000 L containers.

- 500 ml spray cans
- 1 L P7 cans
- 5 L pails
- 20 L drums
- 60 L drums
- 208 L drums
- 1000 L containers







## THE DIFFERENT UNDERBODY COATING POTENTIALS

