

# DINITROL 442

## Permanent corrosion protection

DINITROL 442 is a synthetic resin-plastic-based product which offers long-term corrosion and stone chipping protection. After drying, the material is resistant to hydro carbon-based cold cleaning agents, surfactant-based acid and alkaline high pressure cleaners, salt water and road salt. The product can be painted over after drying.

» **Light grey / Black**

» **Quick drying**

» **Over paintable**

» **Chemical resistant**

» **Easy applied**



### Equipment

**DINITROL Spray Tool HS 1-P**  
Art. No. 1700500

**DINITROL Spray Tool UBS/HR GSI**  
Art. No. 1701900

### DINITROL 442

Art. No.	Size	Package	Color
11043	1 L	Can	Light grey
11044	1 L	Can	Black

# DINITROL 442

## Technical Details

### Product descriptions

DINITROL 442 is a synthetic resin-plastic-based product which offers long-term corrosion and stone chipping protection. After drying, the material is resistant to carbon hydride-based cold cleaning agents, surfactant-based acid and alkaline high pressure cleaners, salt water and road salt. It can be coated once dry, as well as in a wet-on-wet process.

### Applications

The product is especially suitable for coating entry steps, door sills, spoilers, rear valances and wheel housing, and in light of its anti-drone effect, for interior spaces, boots, bonnets, etc. where bitumen-based products are not desired.

### Method of use

The surface to be treated must be clean and free from dust and grease. Loose rust must be removed. For corrosion pits, from which rust cannot be removed with a brush, we recommend pre-treatment with DINITROL RC 900. Please observe the instructions for Rust-Off. Smooth lacquers should be burnished with DINITROL 442 Bodywork Protection before coating. DINITROL 442 Bodywork Protection is supplied

in a ready-to-use condition. The product is applied using a suction pipe gun with a 3 mm nozzle, which is screwed onto the 1 l funnel bottle and is sprayed evenly onto the surface with an air pressure of between 3 – 5 bar. Layer thicknesses of up to 1 mm can be applied wet per application procedure. After material application, the gun must be cleaned carefully, given that blocked guns may cause the can to explode. Shake or stir the product before use.

### Stir before use!

### Pre-treatment Substrates

The surface to be treated must be dry and free of dust and grease.

### Over-Coating / 2-Layer-Application

DINITROL 442 can be painted over with most common paints. Preliminary tests are recommended.

### Application recommendation

- Only stone chip protection without overpainting:
  - Wet film thickness 700 µm (approx. 500 µm dry)
  - Drying conditions: At room temperature (23°C), 55% humidity, approx. 1 hour

- Stone chip protection with overpainting „Water-based paint systems“:

- Apply DINITROL 442

- At least 3 hours per 500 µm dry film  
Let dry at room temperature (23 °C), 55% humidity.

This drying time recommendation can depend on depending on the ambient temperature / humidity / layer thickness.

- Stone chip protection overpainting with „solvent-based paint systems“

- Let DINITROL 440/445 dry after application.

The drying time depends on the ambient temperature, humidity and the layer thickness.

- Then apply solvent-based paint according to the manufacturer's information. For waterborne paints, please see below. This product is for experienced users. A pre-test is to be performed.

For additional information please consult DINOL.

### Storage

The product should not be stored below +5°C or above +30°C. The packages must be protected from direct sunlight and heat. When the product is stored cool and dry, it will have a shelf life of at least 2 years when stored in unopened Original packages.

Note: Opened packages must be used as quickly as possible.

### Safety precautions

Additional information can be found in the safety data sheet.

### Transportation

Additional information can be found in the safety data sheet.

### Hazards identification

#### 2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 3; H226; Skin Irrit. 2; H315; Eye Irrit. 2; H319;

Skin Sens. 1; H317; STOT SE 3; H335; STOT RE 2; H373;

Aquatic Chronic 3; H412

**For all relevant safety advices please read the material safety data sheet or the packaging label.**

## Technical Data

Colour	grey, black
Base	synthetic resin / plastic
Density at 23°C	1.19 g/ml
Solids content	~ 55%
Flash point	24°C
Yield	700 ml / m <sup>2</sup> / 0.5 mm
Drying time	0.5 mm approx. 2 – 3 h depending on room temperature
Salt spray test	500 µm dry film 500 h
Recommended film thickness wet:	700 µm (corresponds to approx. 500 µm dry film thickness)
Durability / Storage	12 months - cool and dry (< 23°C)
Available in	1 l funnel bottle (metal)