

# 643 Metal Dura Easy On - Metal Coating

## KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
-5 to +40°C,	80 - 150 m <sup>2</sup> (one layer)	24 - 48 months	Up to 24 months	+5 to +35°C	24 hours for water resistance, 6-7 days for abrasion resistance

**643 offers high water and dirt repellency linked with high durability against mechanical wear on synthetic or metallic surfaces. Inorganic groups give 643 Dura Easy On perfect adhesion to the substrate and a pencil hardness of 9H.**

## PROPERTIES

- Ceramic / hybrid based substances
- Based on Silicon, with Hydrogen and Nitrogen bonding
- Pencil hardness up to 9H (harder than car paint)
- Room temperature curing or heat curing possible
- Permanent easy-to-clean effect
- Outstanding UV/weather-, abrasion and chemical resistance
- Withstands strong acid and domestic grade alkalines
- Chemically inert
- Transparent, virtually invisible
- Colour deepening possible by application of several layers
- Food-safe
- Strong chemical bonding
- Free from Halogens
- High temperature-resistance up to 600°C
- Usable as an anti-graffiti coating
- Corrosion inhibiting characteristics
- Barrier properties
- Stain guard against acid (pH 2 to 12,5)
- Simple application (wipe or spray application, dipping is not recommended)
- Contact angle 105°
- Layer thickness: 1 µm

## APPLICATION

Clean the surface thoroughly with a residue-free cleaner.

For car-paints, we recommend butyl acetate. When applying manually it is suggested that a gentle circling motion is utilized in order to ensure that no visible surplus is evident, (if required, this process be repeated up to 3 times, at intervals of 5-10 minutes in order to increase the layer thickness).

The coating becomes water-resistant after 24 hours and becomes fully cured against mechanical abrasion and chemical within 7 days.

The drying time and hardness of the coating can be enhanced by the application of heat, e.g. apply 80°C of heat for 30 minutes to the coated item, then allow the item to cool for 3 hours, after which the coating will be fully cured.

**ALGT® Plastic and Metal is ideal for use on**

### CAR PAINT

- Strong dirt and water repellency
- Noticeable improvement of paint hardness
- Lifetime/longevity 3-4 years
- Protection against bird droppings
- Protection against micro-scratches caused by car washes
- Protection against small gravel impact
- Protection against colour loss of the car

### METAL

- Graffiti protection
- Strong dirt and water repellency
- Corrosion inhibiting characteristics

### PLASTIC

- Graffiti protection (e.g. road signs)
- Strong dirt repellency (e.g. truck tarpaulin)

### MARBLE / NATURAL STONE

- Acid resistance
- Strong dirt repellency
- Stain guard
- Food-safe (kitchen worktops)

### PACKAGING & SHIPPING

Art. No.	Bottle / Canister
643-50	50 ml
643-100	100 ml
643-1	1 000 ml
643-5	5 000 ml

**HS Code: 3824 9992, DG**

