

Technical Information

Durlin Bronze 500°C

Product description

DURLIN BRONZE 500°C is a one-component top coat based on natural polymers, Al powder and organic solvents.

Features:

- Dries quickly
- Resistant to high temperatures

Purpose

It is applied independently without a primer to protect permanently annealed elements, steam lines, boilers, chunks, stoves, car exhausts. It is recommended to apply DURLIN BRONZE 500°C independently in 3 layers directly on the metal surface or 1-2 layers when restoring paint.

Surface preparation

Metal (iron and steel) surfaces

Remove corrosion mechanically, and grease and other impurities with NITRO thinner.

If corrosion is removed with phosphoric acid-based agents, rinse the surface thoroughly with water, dry and then apply paint, as cleaning agent residues prevent drying.

Restoration of old coatings

Clean and sand the undamaged coatings, and completely remove the damaged parts. Make a test on a small part of the old coating and check the compatibility with the old coating.

Working conditions

- Air temperature +10°C - +35°C
- Relative air humidity from 20% to 80%
- The surface temperature must be at least 3°C above the dew point

Instructions for application

Stir the coating well before use.



PNEUMATIC SPRAYING

Working viscosity:

In delivery condition

Nozzle diameter:

1.3 – 1.5 mm

Air pressure:

0.3 – 0.5 MPa

BRUSH / ROLLER

Suitable only for smaller areas and local repairs

Dilution:

Not needed

Technical Information

Durlin Bronze 500°C

Technical data

Type of binder:	Natural polymer
Method of application:	Pneumatic injecting, brush, roller
Viscosity (DIN 53211):	11 – 13 s (Ø 4 mm, 23°C)
Specific weight:	0.96 – 1.00 kg/l
Shades:	Silver
Weight dry matter:	28 ± 2%
VOC:	B(e), 840 g/l; product contains max 720g/l
Temperature resistance:	
• Short-term	500°C
• Long-term	200°C
Recommended dry film thickness:	20 µm in one layer
Maximum wet film thickness:	100 µm in one coat
Maximum dry film thickness:	25 µm in one coat
Theoretical yield of the coating:	10 - 12 m ² /l depending on the method of application
• For 20 µm dry film:	
Drying (T=+20°C, rel.hum.65%):	
• To dust	3 - 5 min
• To touch	20 - 30 min
• Completely dry	24 hours
Thinner:	NITRO Thinner
Packaging:	0.2 l; 0.75 l; 5 l
Storage and shelf life:	Originally closed product, stored in a dry place, protected from direct sunlight (+ 5°C to + 25°C) is usable for 60 months.

The technical data are given in order to achieve optimal results by using products manufactured by HELIOS Srbija a.d. Contact our technical service for any additional information. The manufacturer reserves the right to make changes.