

## TECHNICAL DATA SHEET

**Item number:** 0503-803-313

**Product name:** CORINOL ACTIVE 1K

## CORINOL ACTIVE – 1K Reactive coating

**Description:** One-component inhibiting-etching reactive paint.

It exhibits very good adhesion properties to different types of surfaces such as: ALUMINUM, GALVANIZED STEEL, ZnAl, POLYSTYRENE, POLYAMIDE, PLEXI.

Used as penetrating coating provides enhanced adhesion of following coatings.

The coating exhibits superb corrosion resistance. Perfect for surfaces with difficult adhesion.

### RECOMMENDED USE

- ✦ versatile use in the industry
- ✦ improvement of adhesion on difficult surfaces
- ✦ as a mid-coat binding the surface with the following coats
- ✦ as an anti-corrosion protection for surfaces
- ✦ perfect as a primer for ALMA-COLOR's industrial and automotive coatings

### TECHNICAL PROPERTIES

• Density, (approx) g/dm <sup>3</sup>	1,2
• Recommended film thickness per one coat, dry, µm	40-50
• Recommended film thickness per one coat, wet, µm	80-100
• Dry time (20 °C): 1 degree (tack-free), min	10
6 degree ,min	20
• Theoretical coverage at film thickness 45 µm dm <sup>3</sup> /m <sup>2</sup>	0,1
• Theoretical coverage at film thickness 45 µm m <sup>2</sup> /l	10
• Solids (±2),% by volume	45
• VOC in ready-to-use product, g/l	600
• Recommended number of coats	1-2

**GLOSS:** matte

**COLOR:** 0313 – red oxide

**alma-color®**

## PRODUCT APPLICATION

### APPLICATION

**Surfaces** - the higher degree of surface cleanness the longer period of paint durability. The paint achieves the highest chemical and mechanical resistance when applied directly on steel that was sand-blasted or shot-blasted to at least Sa 2 ½ \* cleanness degree.

- ⤴ Steel surface must be free from any contaminants, dry, degreased and clean from any loose corrosion products.
- ⤴ Dry aluminum surfaces should be tarnished with fine abrasive fabric.
- ⤴ Galvanized weathered surfaces should be free from any contaminants and zinc corrosion products.
- ⤴ Polyester, polystyrene, polyamide, plexi – degreased, free from dust, oil and any other contaminants – dry.
- ⤴ Metallic surfaces must be clean or may be with rust with a profile cleaned to at least **St 2\*** cleanness degree after mechanical cleaning or **Sa 1\*** cleanness degree after stream-abrasive cleaning.
- ⤴ Properly prepared surface should be dry, free from salts, oil, grease, dust and any other contaminants.

Stir product thoroughly in the container

### Application tools

- Airless sprayer: Ø0,43-0,53mm; 10-17 MPa
- Conventional sprayer – after thinning – viscosity DINØ4: 25-30 sec: Ø1,5-2,5mm; 2,5-3,5 atm
- Brush
- Roller
- Immersion

**SOLVENT:** item number 8013 by ALMA-COLOR, denaturated alcohol

### Following coatings

Alkyd, acrylic, polyvinyl coatings by ALMA-COLOR

**It is not allowed to apply polyester products and products containing metallic zinc on CORINOL ACTIVE.** It is not recommended to use CORINOL ACTIVE under epoxy coatings that are exposed constantly under immersion (reduction of middle coat adhesion)

### Re-coat time:

shortest at 20°C – approx 2-10 min

primers, top-coats at 20°C – approx 24h

## Painting and curing conditions

- surface temperature higher than 5°C and at least 3°C higher than dew point
- coating temperature above +15°C
- relative humidity less than 90%
- good ventilation

**\*PN-ISO 8501-1:2008**

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**WARNING!** This product is designed for professional use in the given industry. Detailed information regarding product safety can be found in the MSDS.