TECHNICAL DATA SHEET

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High temperature paint

COTRONICS CORP

High Temperature Specialty Materials Since 1971

Summary

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Overview

Duralco™ high temperature paints enable a better resistance to corrosion and bad weather.

The paint selection depends on the conditions of use and the support material.

The products can be kept 6 months in their original packaging sealed hermetically and must be stored in a cool place.

Applications

- Use in furnaces, boilers, tanks, heat exchangers, chemical reactors, etc.
- Protection and reinforcement of metallic surfaces

Implementation

- Clean the support
  - Remove mill scale, rust, cleaning old paints or previous coatings
- Sandblast and degrease the surface
- Apply by soaking, with brush or spray-painting
  - Note: 2 thin layers are better than only one thick. Let dry between layers.
- 1 L = about 10 m^2, for a thickness of 0.032 mm.

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Products

Please note that the curing times are given as an indication only as they depend strongly on the thickness of the paint.

Duralco™ 201 - Aluminum paint

Properties

- Excellent resistance to humidity and saline atmosphere for metals
- Protection against gas, corrosive atmospheres and organic solvents
- No organic binder
- Stability at continuous temperature up to 650 °C
- Based on aluminum

Implementation

- Curing on 15 minutes at 80 °C
- Post-curing: 1 hour at 315 °C for a good stability at high temperature

Duralco™ 230 - Stainless steel paint

Properties

- Composition: stainless steel strips, ceramic and water binder
- Good resistance to corrosion
- Stability at continuous temperature up to 800 °C

Implementation

- Curing at room temperature in few hours
- Post-curing: 1 hour at 120 °C for a complete hardening

Dimensions

Item N°	Adhesive		Hardener	
	Volume	Unit	Volume	Contenant
201-1	350 g	Pint US	350 g	Pint Us
201-2	680 g	Quart US	680 g	Quart US
201-3	2,25 kg	½ Gallon US	2,25 kg	½ Gallon US

Item N°	Powder		Binder	
	Volume	Unit	Volume	Unit
230-1	195 g	Pint US	500 g	16 OZ
230-2	360 g	Quart US	1 kg	Quart US
230-3	1,36 kg	Gallon US	3,6 kg	Gallon US
230-5	6,8 kg	3 Gallon US	18,2 kg	5 Gallon US
230T-1	One-component		590 g	Pint US

Technical data

Properties	Unit	201	230
Composition		Aluminum	Stainless steel
Color		Grey	Steel
Temperature stability	°C	650	815
Curing	°C	80	Room temperature
Post-curing		315	120

Physical variables included in this documentation are provided by way of indication only and do not, under any circumstances, constitute a contractual undertaking. Please contact our technical service if you require any additional information.