

E30 two coat system for the corrosion protection powder coatings

Base on Epoxy powder coatings. Base coat for industrial and architectural application.

Product feature:	Typical application:	Coating appearance:	Gloss range
Excellent corrosion protection	Primer for marine building	Smooth glossy	Smooth surface :60~90%
Good chemical resistance	Auto corrosion parts	Smooth semi-gloss	
Very good edge coverage	Metal toys		
Good storage stability	Primer for steel		
Zero VOC			
Green and environment friendly			

- Packing size:** 20KG/box
- Specific gravity:** 1.2~1.7g/cm³, (relative to product color)
- Theoretical coverage:** 9.8~13.8m² depend on specific gravity (60um film thickness)
- Shelf life:** 6 months from date of delivery with dry condition no more than 25 °C

Application guideline:

Pretreatment:

Suitable pretreatment including:

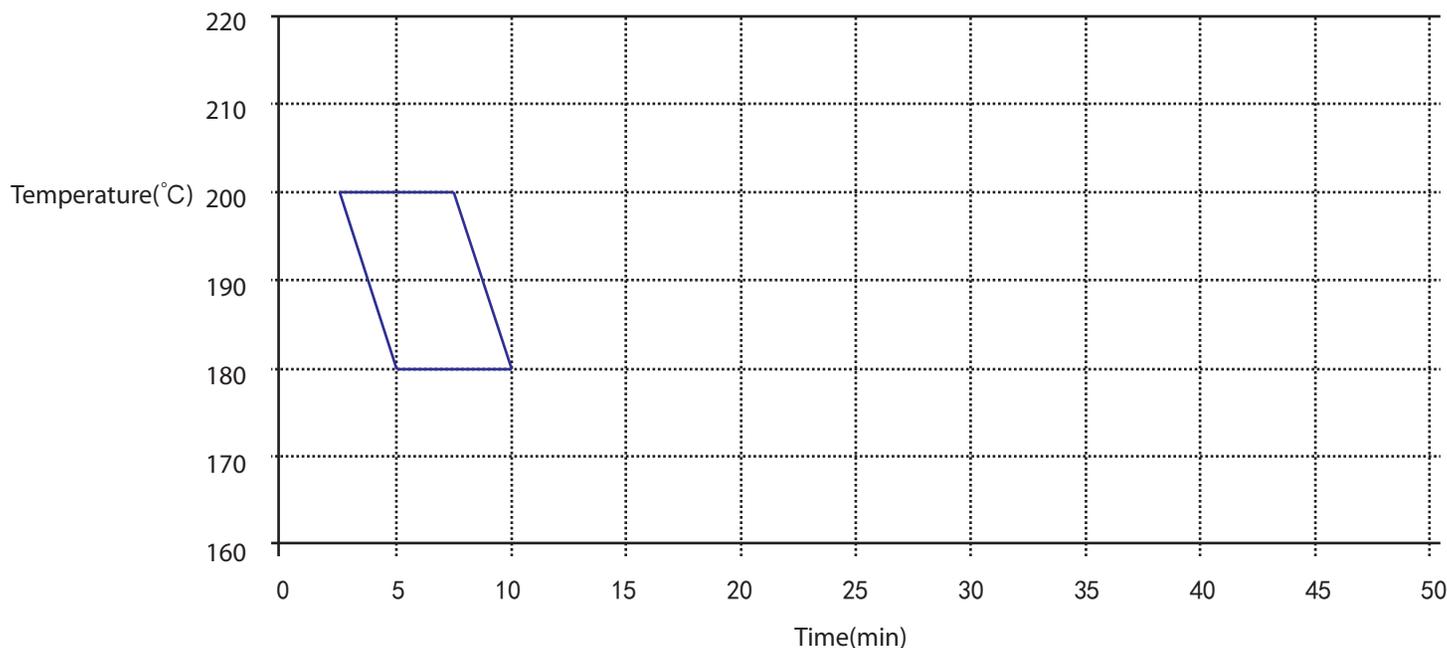
- Aluminum: yellow chroming treatment(according DIN 50939), green chroming treatment, chrome free treatment
- Steel: sand blast/ball blast (SA 2.5)、iron phosphating or zinc phosphating
- Galvanized steel : zinc phosphating, chroming
- Stainless steel: ball blast. Recommended maximum depth 25 microns

Processing:

- Corona spraying
- Tribo* spraying

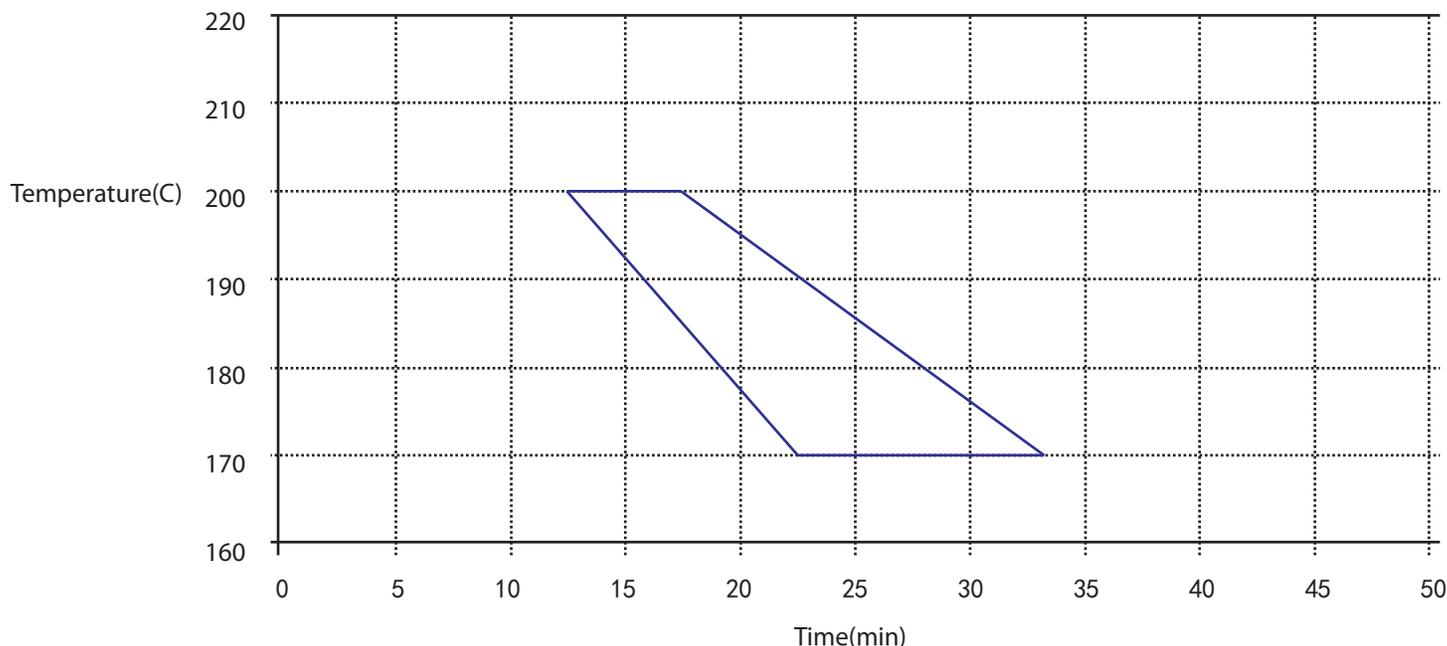
Attention: suitability of metallic powder for tribo processing must be verified prior to actual application

Cure window: (substrate temperature)



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A10 top coat cure window: (substrate temperature)



Product performance data sheet:

The data is checked on ACT standard Zinc Phosphatizing steel panel. Actual product performance may have some difference due to different process, different pretreatment.

Test items	Test standard	E30 primer+A10 top coat
Film thickness	ISO 2360	160~180 microns
Adhesion (1mm)	ISO 2409	0 level
Humidity (1000hrs)	ISO 6270-1	Maximum blistering less than 1mm
Salt spray (1440hrs)	ISO 9227	Maximum blistering less than 1mm
Corrosion resistance test	ISO 12944	Meet C5 I corrosion requirement

Special end use attention:

- The suitability of the coating must be checked before post bending, Microscopic cracks in the film of the powder coating can lead to corrosive damage.
- Coating joint sealant and any other surface contact with the coated protection auxiliary products, such as lubricating wax, drilling cutting lubricant, PH value must be neutral, and cannot affect coating performance.
- When using recycle powder, the recycling powder ratio need verify first.

Health and Safety:

Please according our product material safety data sheet required to wear personal protective equipment, For detailed information please read the ALD product safety data sheet before use.

Disclaimer:

Product data sheet is updated periodically, the latest information and provide the relevant properties of the product. Please use our new version product data sheet. Product data sheet recommendations for the use of our products are based upon experience and in accordance with present technological standards, These are given in order to help customers; however, because the difference of method and process of different customers, lead to some uncertain and uncontrollable factor, ALD company does not undertake any obligation to the final result, also not as supplementary commitment of the purchase agreement. Please verify the product adaptability before using this product.