



## TECHNICAL DATA

### CR Series – Chemical Resistant Polyesters

The CR Series Chemical Resistant Polyester powder coatings are specifically designed for exterior applications in harsh environments. They are designed with increased crosslinking to provide maximum resistance to physical and chemical abuse. This makes them ideally suited to applications where prolonged exposure to chemicals, environmental contaminants, or wind driven particulates is expected.

Chemical Resistant Polyesters can be manufactured in a range of colors, glosses, and textures.

The technical data listed herein is designed to assist in your selection of the appropriate powder coating. As surface preparation, application procedures and other local factors can affect coating performance beyond our control, we recommend trials under the customer's processing conditions to ensure our powder is suitable for its intended end use.

#### Properties

Resin Type	Polyester TGIC	
Finish	Smooth	
Specific Gravity	ASTM D792	1.5 +/- 0.4
Recommended Thickness	SSPC-PA2	2.5 +/- 0.5 mils
Gloss (60°)	ASTM D523	50 - 100%
Impact (Direct/Reverse)	ASTM D2794	≥ 160/160 inch-pounds
Conical Mandrel	ASTM D522	3/16"
Hardness	ASTM D3363	2H – 4H
Adhesion	ASTM D3359	5B (100% pass)
Humidity	ASTM D2247	> 1500 Hours @ 3.0 mils
Salt Spray	ASTM B117	> 1500 Hours @ 3.0 mils
Cure Schedule	10 minutes @ 392°F / 200°C	
Over Bake Time	ASTM D2454	100%
Maximum Storage Temperature	77°F (25°C)	

*All tests, unless noted otherwise, were performed on 24 gauge Bonderite 1000® panels sprayed at 1.8 - 2.2 mils DFT.*

#### Precautions

Visit [www.spectrumpowder.com](http://www.spectrumpowder.com) for latest version of this TDS. Refer to specific *Safety Data Sheet* for applicable Health and Safety Precautions.

#### WARRANTY

Cloverdale Paint Inc. warrants its products to be free from defects in material and workmanship. At its option, Cloverdale Paint Inc. will either replace products not conforming to this warranty or credit the Buyer's account the invoiced amount for the non-conforming products. This is Cloverdale Paint Inc.'s sole obligation and Buyer's exclusive remedy in connection with the products. In no event shall Cloverdale Paint Inc. be liable for special, indirect, consequential or incidental damages. By purchasing this product the Buyer accepts this warranty in lieu of all others, and waives all claims to any other remedy arising from any warranty or guarantee of quality, whether such warranty or guarantee of quality was made expressly to the Buyer or implied by any applicable law. Any claim under this warranty must be made in writing by the Buyer to Cloverdale Paint Inc. within ten (10) days of discovery of the claimed non-conformance, but in no event later than one (1) year from the delivery date. The Buyer's failure to notify Cloverdale Paint Inc. of such non-conformance as required herein shall bar the Buyer from recovery under this warranty.

#### END USES / MARKETS

- Chemical Process Equipment
- A.C.E (Agricultural, Construction and Earth Moving Equipment)
- Automotive products
- Electrical Transformers
- Fencing
- Lawn and Garden Equipment
- Trailer and Truck Body Builders