



# Axalta™ Coating Systems

## Certification to CSA Z245.20-14 System

**Nap-Gard Product -  
Anticorrosion Base Coat Layer:**

**Nap-Gard Product -  
Top coat Layer**

**Product:**

**Lot Number:**

**Manufacturing site:**

**Date Manufactured:**

*This certification is valid from:  
to:*

The above described Top Coat Layer product has been tested in accordance with clauses 5.2.2 & 6.1.3 and is compatible with the requirements of clause 7.3.1 of CSA Z245.20 - 14. Clause 6.1.3 requires that the anti-corrosion layer be qualified to Table 2 to be used for systems 2A, 2B, 2C, and 3. A certificate will be attached for the anti-corrosion layer to validate it's conformance to Tables 1 and 2. An additional Certificate may be attached to certify a system using a different anti-corrosion layer than list on this Certificate. The results on the following pages show that these products have met the stated CSA requirements since all testing have passed.

**Certified by:**

**Title:**

**Date Certified:**





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**TABLE 5: Epoxy Powder Properties for Top Coat Layer<sup>†</sup>**

Test	Date	Test Method	Acceptance Criteria	Results
Cure Time		12.1		
Gel Time		12.2		
Moisture		12.4.2 Procedure B	≤ %	
Particle Size		12.5	≤ @ 150 μm	
			≤ @ 250 μm	
Density		12.6.2.3 Procedure B 1305 Micrometrics He Pycnometer	± g/L	g/L
Thermal Characteristics DSC Q100		12.7 TA Instruments (DSC Q100)	Tg1 ± °C	°C
			Tg2 ± °C	°C
			ΔH ± J/g	J/g

<sup>†</sup> This table reflects the powder properties for \_\_\_\_\_, lot No. \_\_\_\_\_

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Pre-qualification of \_\_\_\_\_ lot number \_\_\_\_\_, the Top Coat Layer, using  
lot number \_\_\_\_\_ as the Anti-corrosion Layer for testing.

**TABLE 6: Coating Pre-Qualification Tests for System**

Test	Test Method	Acceptance Criteria	No. of Tests	Date of Test	Results
Cross-section Porosity <sup>††</sup>	12.10	1 - 4 rating	3		:
Interface Porosity <sup>*</sup>	12.10	1 - 4 rating	3		:
2.0° Flexibility @ -30°C	12.11	No cracking	5		
3.0 J Impact <sup>‡</sup>	12.12	No holidays	3		
1.5° Strained Cathodic Dis.; 28 days, 23°C	12.13	No cracking	3		
Thermal Characteristics TA Instruments (DSC Q100)	12.7	(Cure)* $\Delta T_g < \quad ^\circ\text{C}$	3		$^\circ\text{C}$
		Tg 3 $\pm \quad ^\circ\text{C}$	3		$^\circ\text{C}$
		Tg 4 $\pm \quad ^\circ\text{C}$	3		$^\circ\text{C}$
		$\Delta H1 < \quad \text{J/g}$	3		$\text{J/g}$
Surface roughness <sup>§</sup>	12.16	>50 $\mu\text{m}$ peak to trough	3		$\mu\text{m}$

\* Test to be completed on the inner layer of the coating system.

†† For individual layers of a multi-layer coating system except anti-slip overcoat.

‡ For all multi-layer coating systems, except anti-corrosion coating with anti-slip overcoat, use 1.5J.

§ Surface roughness for anti-slip overcoat systems only.

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