



Nap-Gard®

7-2732P Series

Rebar Fusion Bonded Epoxy

Revised: 5 October 2022

DESCRIPTION

Nap-Gard® Product No. 7-2732P Rebar is a thermosetting epoxy powder designed to coat reinforcing steel rebar to provide corrosion protection. The material is designed for application to pre-fabricated steel rebar. It has been certified to meet the requirements of ASTM A 934-97.

TYPICAL POWDER PROPERTIES

Color:	Purple	Specific Gravity:	1.44 ± .05
Typical Gel Time CSA Z245.20-22 @ 205°C (401°F)	7-2732P Standard gel 8 ± 2 Sec	7-2732PLG Long gel 17 ± 3 Sec	
CSA Z245.20-22 @ 232°C (450°F)	5 ± 1 Sec	9 ± 2 Sec	
Theoretical Coverage:	134 Ft ² /lb/mil	134 Ft ² /lb/mil	
Shelf Life*: @ 27°C (80°F)	12 months	12 months	

TESTING OF COATING PER A934-97

<u>TEST</u>	<u>CRITERIA</u>	<u>RESULT</u>
9.1 Film Thickness	90% of readings / 7-12 mils	10-12 mils
A1.2.2.1 Cathodic Disbondment 24 hrs., 3V, 3%NaCl, 65°C 7 days, 1.5V, room temp.	Max 6.0 mm avg. Disbondment Max 2.0 mm avg. Disbondment	1.5 mm radial Disbondment 1 mm radial Disbondment
X1.9.3.4 Porosity	Rating of 1 or 2	Rating of 2
Salt Spray	Max 3 mm avg. Disbondment	3 mm radial Disbondment
A1.3.5 Flexibility	6° rebound around 6 inch mandrel	No cracking observed
A1.3.1 Chemical Resistance	3M CaCl ₂ , 3M NaOH, Distilled water, Ca(OH) ₂ saturated	No holidays undercutting or blistering observed.
A1.3.6 Relative Bond Strength in concrete	A944-95 (>85%)	89.7% mean relative bond strength
A1.3.8 Impact Test G14, 80 in/lb, area Deformed by tup.	No cracking or shattering beyond area	
A1.3.4 Chloride Permeability	45 days < 1.0 x 10 ⁻⁴ M.	< 1.14 x 10 ⁻⁵ M



GENERAL APPLICATION PARAMETERS

Surface Preparation:

Clean the surface of the steel reinforcing bar by abrasive blast cleaning to a near white finish in accordance with SSPC-SP10 or to NACE #2. The cleaning shall remove all visual mill scale, rust, and other foreign matter, and shall achieve profile of 2.0 - 4.0 mils over the surface of the bar.

Cure & Inspection Specifications:

Nap-Gard® Rebar 7-2732P/PLG Purple Rebar coating cures by residual heat.

Nap-Gard® Rebar 7-2732P

Application Temperature	Minimum Post Cure Time
204°C (400°F)	90 seconds
232°C (450°F)	40 seconds

Nap-Gard® Rebar 7-2732PLG

Application Temperature	Minimum Post Cure Time
204°C (400°F)	6 minutes
232°C (450°F)	90 seconds

Electrically inspect for holidays and damage, and repair using an approved repair material listed below

- Corlar® 2.1 ST™ satin high solids epoxy mastic repair or equivalent

Always consult product Material Safety Data (MSDS) prior to handling.

WARRANTY POLICY: Axalta Powder Coating Systems USA, Inc. ("Seller") certifies that all coatings delivered to Customer in unopened factory filled containers meet all pertinent quality standards presented in Seller's current published literature. Since matters of surface preparation, application procedures, curing procedures and other local factors that affect coating performance are beyond Seller's control; Seller assumes no liability for coating failure other than to supply replacement material for coating material proven to be defective. Customer will determine suitability of this product for its use and thereby assumes all risks and liabilities in connection therewith. Seller will not be liable for any injuries, damages or other losses derived, directly or indirectly, from or as a consequence of Customer's use of the product. **SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, RELATING TO ITS PRODUCTS AND THEIR APPLICATION, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES.**

