



Nap-Gard®

7-3500

White FBE Tank Coating

Revised: 5 October 2022

DESCRIPTION

Nap-Gard® 7-3500 is a thermosetting epoxy powder designed as a coating for pipe and tank. Nap-Gard® 7-3500 is certified to NSF/ANSI/CAN 61, Drinking Water System Components. For NSF/ANSI/CAN 61 applications, the maximum recommended film thickness is 10 mils.



TYPICAL POWDER PROPERTIES

Color:	White	Theoretical Coverage:	128.5 Ft ² /lb/mil
Specific Gravity:	1.50 ± .05	Density:	1500 ± 50 g/L
		CSA Z245.20-22	
		(Section 12.6.2.3)	
Shelf Life*:	12 months		
@ 25°C (77°F)			
@ 50% RH			

* Transportation: The material is stable during transportation at temperatures below 25°C (77°F) and 50% RH.

TYPICAL PROPERTIES OF APPLIED FILM*

Recommended Film Thickness		Average	6 – 10 mils 8 mils
TEST / REQUIREMENT**	METHOD	CRITERIA	RESULT
Gloss at 60°	ASTM D523	>60	Pass
PCI Smoothness	DPC TM10.219	≥6	Pass
Overbake Resistance, Time	ASTM D2454	100%	Pass(Color DE<3.5)
Pencil Hardness	ASTM D3363	6H	Pass
Adhesion, Cross Hatch	ASTM D3359	5B	Pass
Flexibility, Mandrel	ASTM D522	1/8 in. dia. no fracture	Pass

GENERAL APPLICATION PARAMETERS

- The recommended powder application temperature range is 226°C (438°F) to 253°C (488°F)
- The minimum post application curing temperature (as measured on the coated substrate), and the time to quench may conform to the following cure schedule: 60 Seconds at 462°F metal temperature.
- Cure should be verified by DSC or other methods.

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

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