

**ZAM®**

ZAM® is a registered trademark of Nippon Steel Corporation in Japan, the United States, and other countries and regions.

ZAM®: Zinc - 6% Aluminum - 3% Magnesium

Minimum product thickness: 24ga

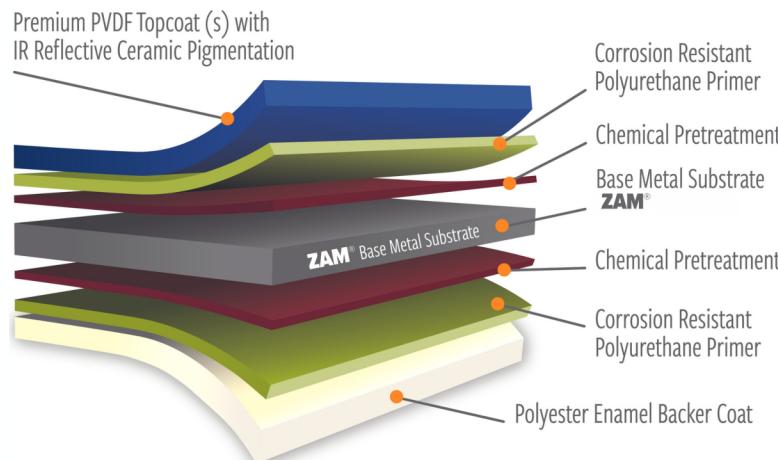
Minimum Coating thickness: .90 OZ/FT2 ASTM A1046/A1046M Type 1

Minimum yield strength: 50 KSI

Coastal warranty for 20 years and 6 months.

Website: [www.wheeling-nipponsteel.com/ZAM](http://www.wheeling-nipponsteel.com/ZAM)

## Multi-Layered Baked Enamel Finish



**CONTINENTAL COATINGS INC.**

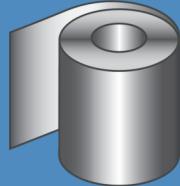
### Koolnar™

Premium PVDF Coating

Technical Data

Test Specifications	Coating System Performance
ASTM D 523 Specular Gloss at 60	6 to 35
ASTM D 3363 Pencil Hardness	F to 2H
ASTM D 4145 T-Bend	1T to 3T with no loss of adhesion
ASTM D 3359 Cross Hatch Adhesion	No loss of adhesion
ASTM D 2794 Reverse Impact	<b>ZAM®</b> : 3x metal thickness inch-pounds, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
ASTM D 2247 Humidity Resistance 1,000 hrs. Humidity Resistance 3,000 hrs.	<b>ZAM®</b> : Creep from scribe < 1/8 inch (3mm), no field blistering Aluminum: Creep from scribe < Creep from scribe < 1/8 inch (3mm), no field blistering
ASTM B 117 Salt Spray Resistance 1,000 hrs. Salt Spray Resistance 3,000 hrs.	<b>ZAM®</b> No Blistering Aluminum: < 1/16 inch (2mm) none or few #8 blisters
ASTM D 2244 ASTM D 4214 South Florida Exposure	Color: No more than 5 Hunter (E) units Chalk: Rating no less than 8
ASTM D 870 Water Immersion 100 F 500 hrs.	No Field blisters with minimal color change
ASTM D 1308 Chemical Resistance (15 mins.)	No significant color change
ASTM G 87 Kesternich Test	No significant color change
ASTM E 84 Flame Spread Classification	Class I or A
ASTM D 968 Abrasion Resistance	Total Sand = 65 +/- 5 (Dft dependent)
AAMA 2605-20 FGIA Voluntary Specification	Meets or exceeds all performance specifications

**Koolnar™** is a premium 70% PVDF coating engineered for monumental building product applications and severe exterior environments that require long life and extended warranty coverage.



**ELM**  
East Lake Metals



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