

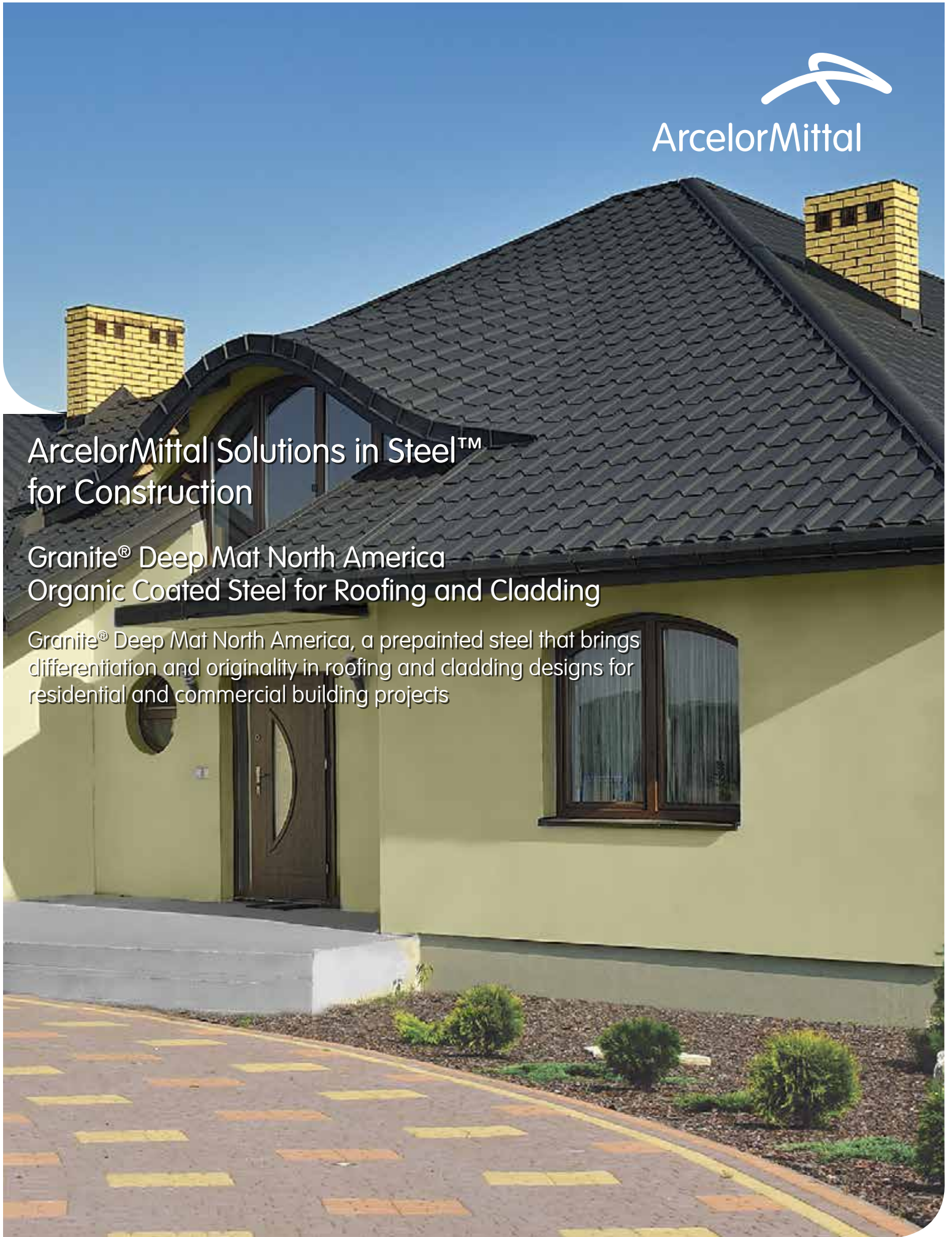


ArcelorMittal

## ArcelorMittal Solutions in Steel™ for Construction

Granite® Deep Mat North America  
Organic Coated Steel for Roofing and Cladding

Granite® Deep Mat North America, a prepainted steel that brings differentiation and originality in roofing and cladding designs for residential and commercial building projects



# A unique breakthrough design for the light steel cladding market



## Introducing Granite® Deep Mat North America

Granite® Deep Mat North America is a textured low-gloss pre-coated steel designed for roofing (non-vertical) and sidewall (vertical) applications, in the construction market. The flexible coating allows for a variety of profiles to be roll formed and stamped. Granite Deep Mat North America's low gloss textured surface property gives it a consistent appearance from any angle or position.

### Base Metal

ArcelorMittal in North America offers Granite® Deep Mat finish on two coated steel substrates:

- (a) Zinc coated (galvanized) sheet steel conforming to the requirement of ASTM A653 or A653M as applicable.
- (b) 55% Aluminum-zinc (Galvalume™) alloy coated steel sheet conforming to the requirements of ASTM A792 or A792M as applicable.

### Paint characteristics

- The exposed surface has a nominal dry film thickness of 24 microns (0.95 mil) on Galvalume™ substrate and 27 microns (1.05 mil) on galvanized steel.
- Unexposed (reverse side) dry film thickness will vary in accordance with customer requirements. Typical recommended backer for Granite Deep Mat North America is QC60051.

### Performance

Granite Deep Mat North America's film integrity is designed for 40-year performance.

### Processing

Granite Deep Mat North America's paint system is resilient to cracking and crazing during forming at room temperature due to its high flexibility.

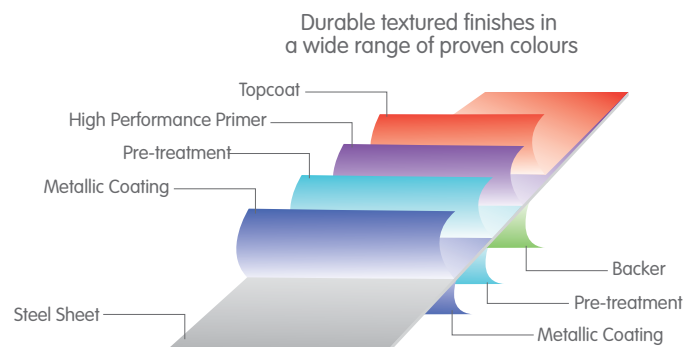


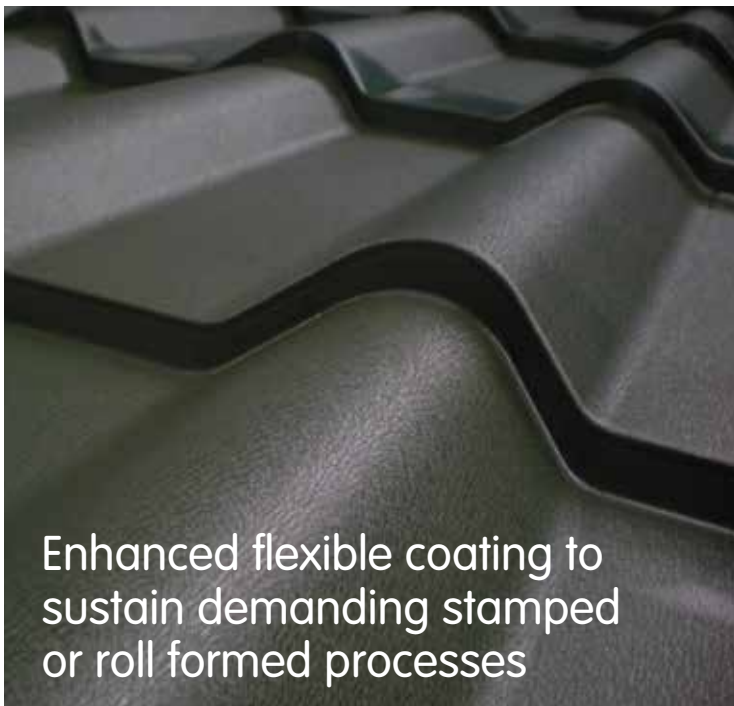
Figure 1: Prepaint system specification

# Granite® Deep Mat North America

## Product Specification

	ASTM	Granite® Deep Mat North America
Film Thickness	D5796	Galvalume substrate: [0.8 - 1.10 mil] Galvanized substrate: [0.90 - 1.20 mil]
Gloss (60 degree)	D523	< 5
Film Hardness (pencil)	D3363	HB Min
Adhesion (T-Bend test) at 25°C +/-2°C	D4145	2T no taped removal
Adhesion Impact at 25°C +/-2°C	D2794	No loss of adhesion to 160in x lbf
Humidity Condensing Test	D4585	Cyclical test 1000 hrs, no blistering
Weathering standard for applications located in Canada and the Continental U.S.(*)		
Film Integrity		40 years
Colour Change	Wall	30 years - dE 5
	Roof	30 years - dE 8
Chalking	Wall	30 years - #8
	Roof	30 years - #6
Geographical Limits		Canada and Continental U.S.

\*in the absence of aggressive fumes and/or other chemicals not normally encountered in the atmosphere



Colour Names (*)	QC	Standard Colours (**)
United White	60139	
Cool Blue Gray	60133	
Chocolate Brown	60034	
Graphite Grey	60035	
Chrome Green	60037	
Terra Rosso	60038	
Jet Black	60039	
Sepia Brown	60041	
Oxide Red	60042	
Copper Brown	60043	

\*please inquire about additional colours

\*\*although care has been taken to reproduce colours, printed colours serve as a guideline only for the Granite® Deep Mat North America colour palette.

## About ArcelorMittal

ArcelorMittal is the world's leading steel and mining company. Guided by a philosophy to produce safe, sustainable steel, it is the leading supplier of quality steel products in all major markets including automotive, construction, energy, household appliances and packaging. ArcelorMittal is present in more than 60 countries and has an industrial footprint in more than 20 countries.

With a strong presence in North America, Europe, South America and South Africa, and an emerging presence in China, ArcelorMittal delivers a large scale of products, solutions and services to customers with the same quality focus in all regions. ArcelorMittal is the leader in steel technology, both in the breadth and depth of our product portfolio, and in our ability to supply a range of grades throughout the world. ArcelorMittal is a supplier of choice for all markets, a testament of our commitment to working collaboratively with our customers to engineer advanced steel grades to meet their needs.

™ - ArcelorMittal (logo/Slogan) is a trademark of ArcelorMittal.  
Our product is steel. Our strength is people.®  
Galvalume is a trademark of ArcelorMittal in Canada and a trademark of BIEC International Inc. in the United States.  
Granite® - ArcelorMittal name is a registered trademark in North America

Granite Deep Mat North America can be ordered directly from ArcelorMittal USA or ArcelorMittal Dofasco in Canada by contacting our Sales Department through the details below.

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