

**AM/NS  
INDIA**

ArcelorMittal Nippon Steel India

**STRENGTH FOR LIFE.  
STYLE FOR A LIFETIME.**

**AM/NS Vibrance**

Premium Colour Coated Steel for appliances



## **ABOUT AM/NS INDIA**

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AM/NS India is the joint venture between ArcelorMittal and Nippon Steel – two of the world's leading steel companies. As an integrated steel manufacturer with iron-making, steel-making and downstream facilities spread across India, we produce over 600 varieties of steel for a range of applications across industries. Our goal is to create smarter, more sustainable steels for India that empower its growth trajectory and enable brighter futures for all.

# AM/NS INDIA

**OUR HAZIRA STEEL PLANT**

With a capacity of 10 Million Tonnes Per Annum (MTPA), the AM/NS India Hazira Steel Plant in Gujarat is an integrated, sophisticated and environment-friendly facility that is one of the largest single-location flat steel plants in the world. The plant incorporates comprehensive support infrastructure that includes power, lime and oxygen plants, a township and a captive port that can accommodate capesize vessels. This modern operations and handling system enables self-sufficiency and global logistics.

**LARGE COLOUR-COATING AND GALVANISING FACILITIES**

AM/NS India is one of the largest Colour Coating and Galvanising facilities in India, operating from Pune, Khopoli and Gandhidham. The facility has metal coating steel capacity of over 3.1 MTPA with 0.72 MTPA of colour-coated steel available in over 4500 bespoke shades, finishes and textures.



**ENGINEERED FOR STRONGER, MORE STYLISH APPLIANCES.**

# **AM/NS** Vibrance

Premium Colour Coated Steel for appliances

Today's consumers and commercial establishments choose appliances not just for how long they last, but for how they look in the spaces they are used in. AM/NS Vibrance sets a new benchmark in colour-coated steel for appliances, where strength and precision support durable, reliable surfaces and lasting premium aesthetics.

Designed to deliver controlled colour, gloss, and superior properties, it performs reliably from fabrication to end use. Combining precision-engineered steel substrates with advanced colour coating systems, it is purpose-built to meet the evolving needs of appliance manufacturing, delivering consistent performance in high-volume production environments while supporting appliance OEMs across design, production, and lifecycle performance.

## ADVANTAGES



**AM/NS Vibrance delivers unmatched aesthetics** with a wide range of colour and surface finish options, including metallic and solid shades.



**AM/NS Vibrance ensures superior durability** through a robust paint system that delivers exceptional corrosion, scratch, and impact resistance. It sustains performance in all weather conditions while maintaining flexibility during bending. Additionally, a 3-coat paint system is available, offering enhanced protection and long-lasting performance.



**AM/NS Vibrance uses high-quality RMP paint**, with clear coat options and zinc coatings from 90 to 275 GSM, protected by durable polymer topcoats.



**Advanced functional coatings in AM/NS Vibrance** offer anti-bacterial, anti-dirt, and high scratch-resistant properties for long-lasting surface performance.



**AM/NS Vibrance** ensures excellent formability along with premium surface aesthetics.



**AM/NS Vibrance is precision engineered** with stringent tolerances and thickness control to deliver optimal strength.

## ADVANTAGES



**Dual manufacturing facilities at Khopoli and Gandhidham**, strengthen AM/NS Vibrance supply chain efficiency, reduces carbon footprint, and enables responsive service to OEMs across India's key manufacturing clusters.



**Engineered for reliability**, AM/NS Vibrance helps maximise production efficiency for appliance OEMs.



**AM/NS Vibrance is backed by strong technical and R&D expertise** which supports design decisions, process optimisation, and long-term performance.



**AM/NS Vibrance ensures consistent lot performance** across production batches.



**AM/NS Vibrance can be tailored to specific appliance applications**, enabling optimised material utilisation and effective cost control.

## APPLICATIONS



**REFRIGERATOR  
CABINETS**



**REFRIGERATOR  
DOOR**



**WASHING MACHINE  
CABINET**



**VISI COOLER  
REFRIGERATOR**



**CHEST FREEZER**

## APPLICATIONS



**MICROWAVE OVEN  
CABINET**



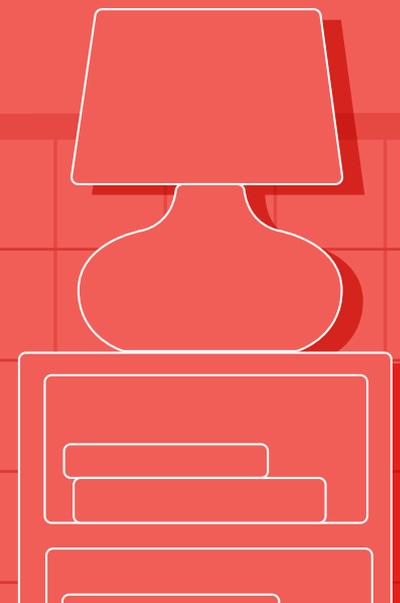
**DISHWASHER**



**WATER HEATER**



**DISPENSER**



## REFRIGERATOR CABINETS

AM/NS Vibrance is designed for modern refrigerators, providing superior durability and refined aesthetics.

Product Properties	Specifications
Optimised thin gauge for lightweight and durability	Thickness: 0.32 - 0.45 mm
Width range suitable for compact and large cabinets	Width: 300 - 850 mm
Premium zinc coating for corrosion resistance	Zinc Coating: 90 - 120 GSM
Plain and embossed finishes for style flexibility	Finish: Plain & Embossed options
High-quality RMP paint with clear coat for long-lasting shine	Paint System: RMP with clear coat option
Excellent bendability and impact resistance for robust performance	
Scratch-resistant surface with advanced scratch paint system	



## COMMERCIAL REFRIGERATORS (Deep/Medical freezer)

AM/NS Vibrance is engineered with superior strength and reliability for heavy-duty commercial refrigerator use applications.

Product Properties	Specifications
Balanced thickness for strength and weight optimisation	Thickness: 0.35 - 0.45 mm
Wide width range for large-scale refrigeration units	Width: 350 - 850 mm
Protective zinc coating ensures longevity	Zinc coating: 90 - 120 GSM Grade: GPL & GPD
Embossed and plain options for inner and outer components for functional aesthetics	Finish: Plain & Embossed
Durable RMP paint with clear coat for extended life	Paint: RMP with clear coat option
Material Form: Coil and sheet with easy peel-off Guard Film options on plain and embossed surface.	



## REFRIGERATOR DOORS

AM/NS Vibrance enables stylish and robust doors designs to complement modern refrigeration systems.

Product Properties	Specifications
<b>Precision thickness</b> for optimal strength	Thickness: 0.40-0.45 mm
<b>Tailored widths</b> for standard refrigerator doors	Width: 550 - 700 mm
<b>Corrosion-resistant zinc coating</b>	Coating: 90-120 GSM with zero spangle finish
<b>Plain finish</b> for a sleek appearance	Finish: Plain & metallic
<b>Premium RMP paint</b> with clear coat for durability	Paint: RMP with clear coat
<b>Excellent bend and impact resistance</b>	Grades: GPL, GPD, GPED & GPIF



## DISHWASHER

AM/NS Vibrance enables moisture-resistant cabinets for dishwasher applications.

Product Properties	Specifications
Thicker gauge for durability	Thickness: 0.50 - 0.80mm
Suitable widths for standard dishwasher units	Width: 700 - 900mm
Zinc coating for corrosion protection	Coating: 90 - 120 GSM Grade: GPL, GPD, GPED & GPIF
Plain finish with premium paint	Finish: Plain
Paint: RMP & Metallic with clear coat	



## MICROWAVE-OVEN CABINETS

AM/NS Vibrance enables compact and durable cabinets for microwave oven applications.

Product Properties	Specifications
Medium gauge for balance between strength and weight	Thickness: 0.40 - 0.50mm
Compact width for microwave oven fit	Width: 300 - 400mm
Protective zinc coating	Coating: 90 - 120 GSM Grade: GPL & GPD
Plain finish with RMP paint	Finish: Plain & Metallic
Paint: RMP	



**WASHING MACHINE CABINETS (Top & Front Load application)**

AM/NS Vibrance delivers strength and moisture resistance in washing machine applications.

Product Properties	Specifications
<b>Thicker gauge</b> for enhanced structural integrity	Thickness: 0.50 - 0.80mm
<b>Width range</b> suitable for various washing machine sizes	Width: 700 - 900mm
<b>Zinc coating</b> for rust prevention	Coating: 90 - 120 GSM
<b>Plain finish</b> with durable paint	Finish: Plain & Metallic
<b>Humidity and corrosion resistance</b> for long-term use	Paint: RMP with clear coat
	Steel grades: GPL, GPD & GPED



**WATER HEATER**

AM/NS Vibrance enables heat-resistant and corrosion-proof panels for geyser applications.

Product Properties	Specifications
Medium gauge for heat endurance	Thickness: 0.40 - 0.60 mm
Suitable widths for geyser units	Width: 300 - 600mm
Protective zinc coating	Coating: 90 - 120 GSM
Plain finish with RMP paint	Finish: Plain
Humidity and heat resistance for safety	Paint: RMP & SMP



**DISPENSERS**

AM/NS Vibrance is available in wide panels with robust coatings for water & coffee dispenser applications.

Product Properties	Specifications
<b>Variable thickness</b> for strength and flexibility/endurance	Thickness: 0.40 - 0.90 mm
<b>Wide width range</b> for different dispenser models	Width: 800 - 1250mm
<b>Premium zinc coating</b>	Coating: 90 - 120 GSM
<b>Plain finish</b> with durable paint	Finish: Plain
<b>Corrosion and humidity resistance</b> for longevity	Paint: RMP with clear coat



**WIDE PROPERTY RANGE - PRODUCT**

PPGI Product	Thick (mm)	Width (mm)	Z Coating (gsm)	Steel Grade	Plain Finish	Embo Finish	Paint Type	Clear Coat	Bend	Impact (Min)	Pencil Hardness (Min)	MEK (Min)	SST (Min)	Humidity (Min)	QEV (Min)
<b>Ref. Cabinet</b>	0.32 - 0.45	350 - 800	90 - 120	GPL & GPD	Yes	Yes	RMP	Yes	0T - 2T	6 Joule	2H	100	500	500	500
<b>Commercial refrigerators</b>	0.35 - 0.45	350 - 1250	90 - 120	GPL & GPD	Yes	Yes	RMP	Yes	1T - 2T	6 Joule	2H	100	500	500	500
<b>Refrigerator doors</b>	0.40 - 0.45	550 - 700	90 - 120	GPD/ GPEDD GPIF	Yes	No	RMP	Yes	0T - 1T	6 Joule	2H	100	500	500	500
<b>Washing Machine cabinets</b>	0.50 - 0.80	700 - 900	90 - 120	GPL/ GPD GPEDD GPIF	Yes	No	RMP	Yes	1T - 2T	6 Joule	2H	100	500	500	500
<b>MWO Cabinets</b>	0.40 - 0.50	300 - 400	90 - 120	GPL & GPD	Yes	No	RMP	No	1T - 2T	6 Joule	2H	100	500	500	500
<b>Dishwasher</b>	0.50 - 0.80	700 - 900	90 - 120	GPD GPEDD	Yes	No	RMP	Yes	1T - 2T	6 Joule	2H	100	500	500	500
<b>Water heater</b>	0.40 - 0.60	300 - 600	90 - 120	GPL & GPD	Plain	No	RMP	Yes	1T - 2T	6 Joule	2H	100	500	500	500
<b>Dispensers</b>	0.40 - 0.90	800 - 1250	90 - 120	GPL	Plain	No	RMP	Yes	1T - 2T	6 Joule	2H	100	500	500	500

Note:

1. We offer advanced paint systems engineered for durability, featuring anti-dirt properties and high scratch resistance properties.
2. Guard film available on request



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