



**TRUSTED NAME IN
ROOFING SYSTEMS**

Most Durable & Aesthetically Pleasing Alu-Zinc
protected Roofing Sheets & Accessories





ARL Infratech Ltd.

ARL Infratech Ltd., headquartered in Jaipur, is a professionally managed organization with a team of more than 600 dedicated & hardworking professionals lead by a vision of delivering the highest quality products and working with utmost integrity.

With a vision to serve the critical infrastructure needs like irrigation, roofing, water supply, housing etc the company has established several state-of-the-art-units for manufacturing of **Fiber Cement Sheets, Fiber Cement Pipes & Autoclaved Aerated Concrete (AAC) Blocks.**

The company's flagship brand 'ankur' for Fiber Cement Products, enjoys a quality premium in the market and is available through approximately 400 Dealers in Rajasthan and about 600 dealers in the neighbouring states of Haryana, Punjab, UP, MP, Gujarat etc.

Considering the increasing requirement of aesthetically pleasing & long-lasting colour coated roofing sheets, the group has ventured into manufacturing of Premium Colour Coated Sheets, at one of the most modern plants in Jaipur, under the brand name '**Ankur Spectra**'

ARL's sister concern, Akshat Apartment Pvt Ltd., is a leading real estate developer in Jaipur.



Ankur Spectra premium colour coated roofing sheets are the latest offering from the house of ARL.

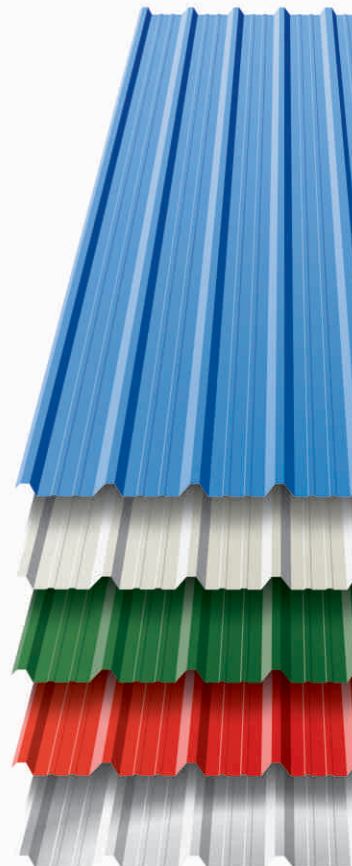
With decades of experience in the roofing sector, at ARL, we understand the importance of a Solid, Dependable & Durable Roof. 'Ankur Spectra' sheets are manufactured using the best quality steel having best in class corrosion protective layer & coated with aesthetically pleasing high quality paint systems.

'Ankur Spectra' sheets are available in Pre-Painted Galvanized Iron (PPGI), Pre-Painted Galvalume (PPGL) & Bare Galvalume variants which are manufactured keeping in mind the specifications and quality standards as per guidelines of various International & BIS standards for a long-lasting roofing system. We strive to provide the highest quality at a reasonable price giving a True Value for Money proposition to our customers.

At '**Ankur Spectra**' we believe in working with utmost Transparency & Trust. We deliver what we commit and ensure that the trust that more than 1000 Channel Partners and lakhs of prestigious customers have placed on us is always honored.



*With the increasing speed of business in today's economy,
TRUST isn't just desirable - it's essential.*



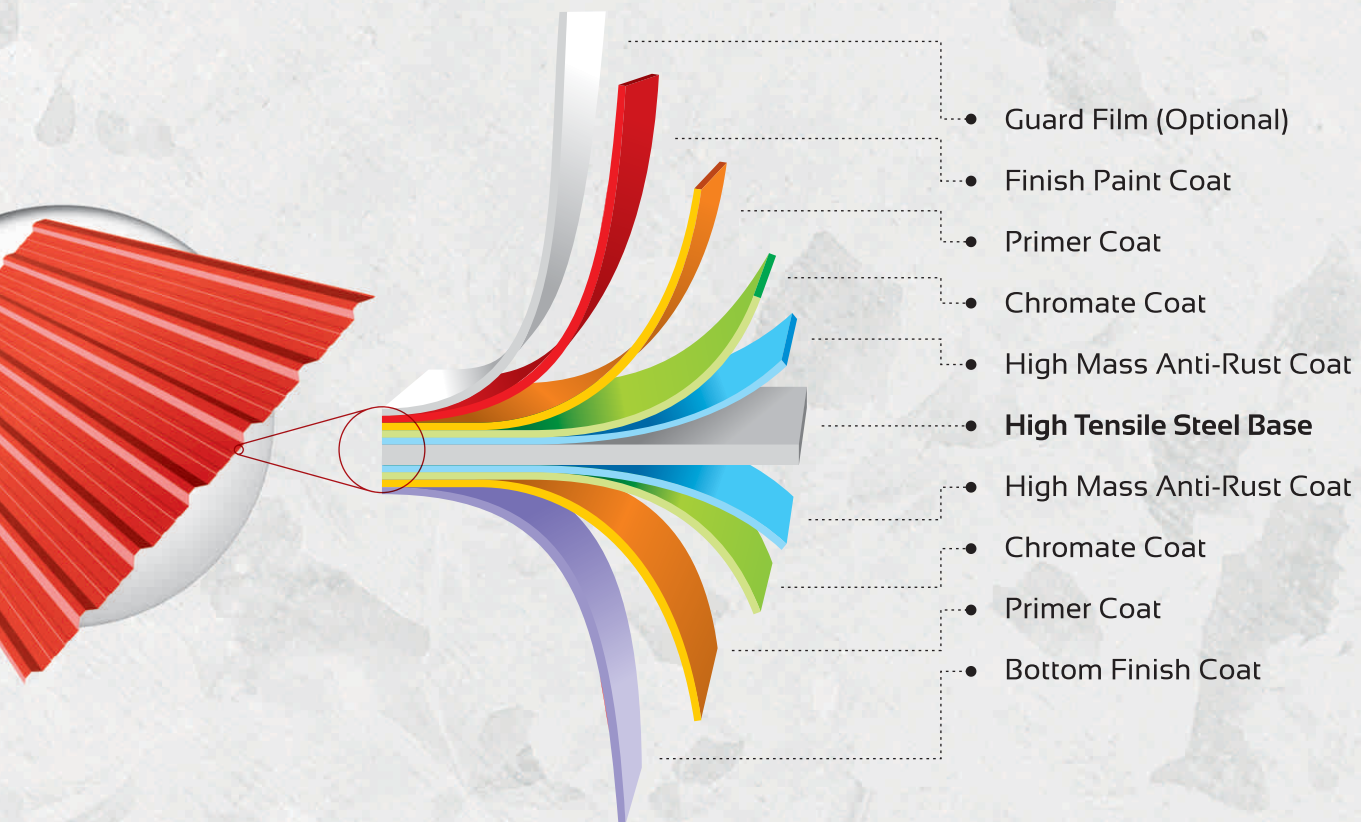
Structure

'Ankur Spectra' colour coated sheets are an amalgamation of 3 Layers which have an importance of their own in providing the quality and durability of the sheets.

Base Metal | High Tensile Steel with minimum Yield Strength of 550 MPa

Anti-Rust Coating | Advanced Aluminium & Zinc Coating as per International Roofing standards

Paint Coating | Double Baked Polyester Paint Coat of about 30-35 microns



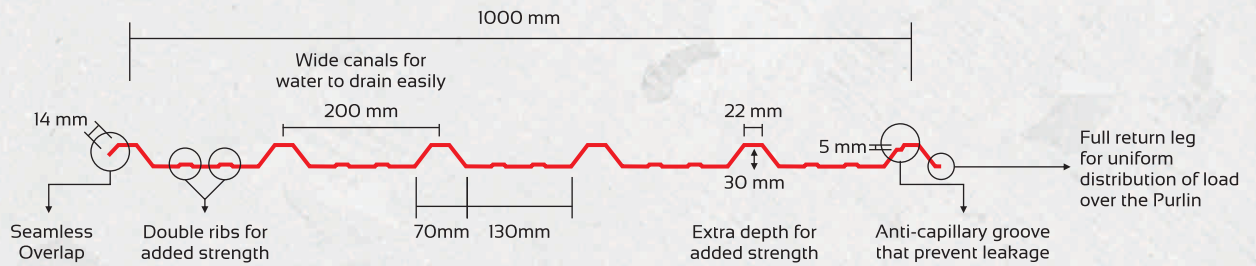
Guard Film

Although, the Guard Film is not a part of the structure but it protects the Sheets from any kind of scratches during Transportation, Storage, Handling etc.

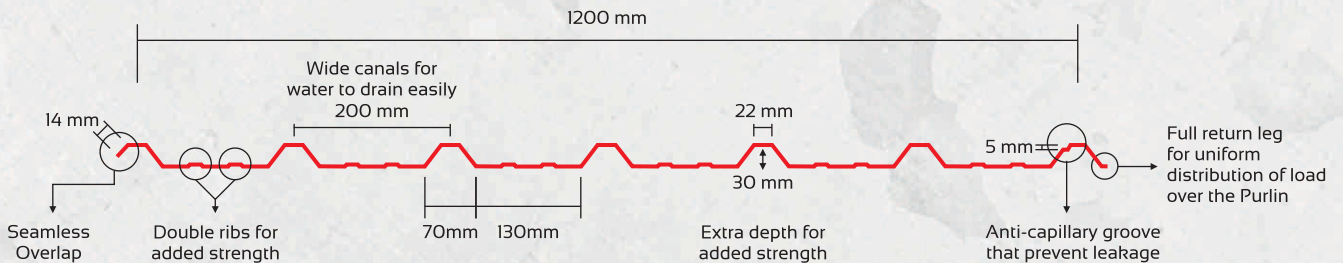
'Ankur Spectra' sheets have a high strength Guard film of 40 micron thickness which ensures better protection and easy removal after installation of the Sheet on your Roof.



High Strength Trapezoidal Profile



Total Width: 1060mm | Effective Width: 1000mm | PITCH: 200mm | DEPTH: 30mm



Total Width: 1260mm | Effective Width: 1200mm | PITCH: 200mm | DEPTH: 30mm

'Ankur Spectra' Profile is specially designed for bearing heavy rain, wind & impact loads. The profile design along with the High-Tensile base metal ensures that the Spectra roof can withstand a wind speed of up-to 160 kmph.

'Ankur Spectra' Sheets are available in both 1060mm & **Extra-Wide** 1260mm widths. The extra wide sheets enable fewer joints on the roofs and hence saves time & cost. Sectional Properties of the Profile can be shared for design calculations on requirement.

Technical Specifications

Total Width	1260mm & 1060mm
Effective Width	1200mm & 1000mm
Standard Thickness	0.30mm - 0.80mm
Yield Strength	Min. 550MPa
Anti-Rust Coating Mass PPGL (Zinc)	120gsm & above as per IS 14246 / IS 277
Anti-Rust Coating Mass PPGL (Al-Zinc)	70gsm, 150gsm & above as per IS 15965
Anti-Rust Coating Mass BGL (Al-Zinc)	150gsm & above as per IS 15961 / ASTM 792
Paint Type	RMP, SMP & PVDF
Paint Thickness	20-25 mic (Top Coat) & 9-11 mic (Bottom Coat)
Solvent Resistance	Min. 100 Double Rubs (Top Coat)
Paint Adhesion (Cross-Hatch)	Ok
Hardness Resistance	Min. 2H (Top Coat) & Min. 1H (Bottom Coat)

Key Attributes

State-of-the-Art Manufacturing Unit

'Ankur Spectra' Sheets are manufactured using high precision, fully automatic 30-Station Profiling machine which lend the sheets the most accurate Profile. The fast-paced machine with highly accurate systems is capable of producing more than 3000 MT Sheets per month with highest accuracy and repeatability.

The 30-Station Machine, which is one of its kind in Northern India, is capable of profiling high thickness sheets having high Yield strength with best in class accuracy. The unit is equipped with a 4mtr long fully automatic Folder Machine which is capable of manufacturing all kinds of accessories required for your Project at a very high Speed.

With world class manufacturing facilities for 'Ankur Spectra' you can be rest assured of no delays in supplies for your projects.



Lab Tested Material

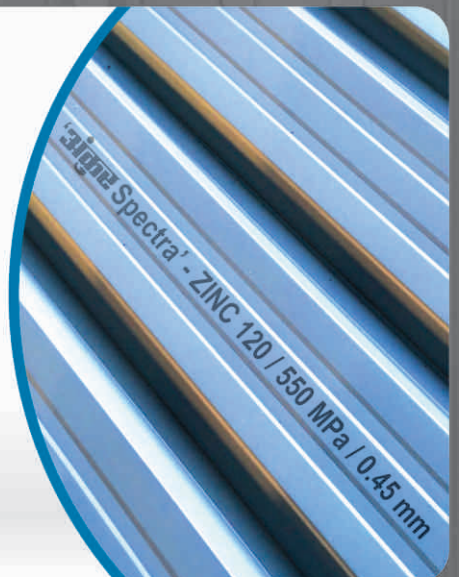
At 'Ankur Spectra' we take pride of having one of the best & fully equipped laboratory for testing the quality of the Sheets. In fact we are one of the very few handful of Sheet manufacturing companies across India to have in-house testing facilities.

Each lot of 'Ankur Spectra' sheets is tested for various parameters like Yield Strength, Coating Mass, Paint Adhesion, Baking Quality etc. This gives us the confidence of providing the best material to our customers adhering to our specifications and various national & international standards. We are responsible and committed for the quality of the product that we deliver.



Liner Marking

Each 'Ankur Spectra' sheet comes with a **Non-Removable** marking at the back side which clearly mentions the specification of the sheets. This marking ensures that the customer can buy the right product with right specification and is never duped by unscrupulous middle men.

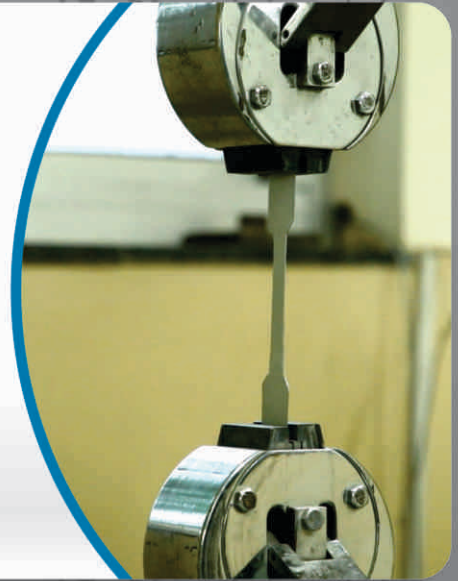


Key Attributes

Higher Tensile Strength

'Ankur Spectra' sheets are manufactured using best quality base steel with a Yield strength of minimum 550MPa. The high strength sheets are designed for heavy wind loads and ensures that the Sheet does not bend due to high wind pressure and other heavy loads.

Due to its higher strength, the Support Span or Purlin Spacing for 'Ankur Spectra' sheets can be higher in comparison to the ordinary sheets available in the market with a YS of 240-300MPa. This helps in reducing the structure cost considerably.



High Coating Mass - Longer Life Span

'Ankur Spectra' sheets are designed for giving more than double the life than the ordinary colour coated sheets available in the market. All 'Ankur Spectra' sheets have a best in class corrosion protection layer which is in adherence with the BIS & International standards that protect the sheets for years.

'Ankur Spectra' PPGL sheets have a zinc coating of minimum 120gsm while the PPGL sheets have a highly advanced Aluminum – Zinc Alloy protective layer of minimum 70gsm. The Bare Galvalume sheets have Al-Zn alloy coating of minimum 150gsm and has a life of more than 20 years. PPGL sheets with 150gsm coating can also be provided on order.



Best in class Paint Systems

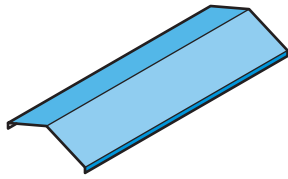
All 'Ankur Spectra' sheets have a top-notch paint coating system which comprises of a pre-treatment coat followed by a coat of primer and finally the finish coat. This double - baked coating system is applied on both sides of the sheets to provide it an aesthetically pleasing look and better protection.

'Ankur Spectra' sheets have a paint coat of up-to 35 microns which gives you a beautiful roof for years to come.

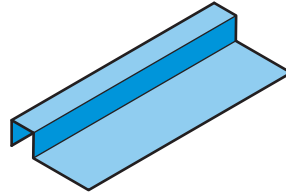


Accessories

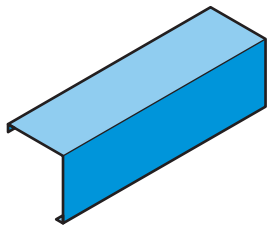
At 'Ankur Spectra' we have one of the most advanced and automatic machine for manufacturing all kind of accessories with High Precision and Speed. We can manufacture these accessories up-to a length of 4mtrs. Some of the standard accessories supplied by us are as under:



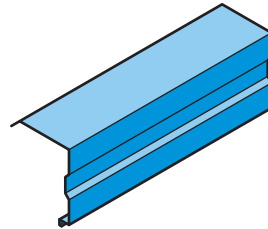
PLAIN RIDGE



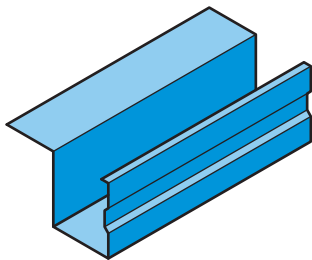
DIP TRIM



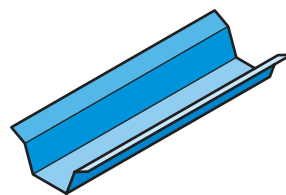
CORNER FLASHING



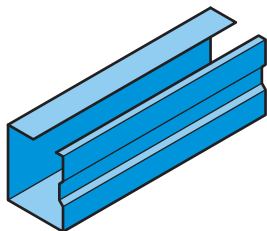
PROFILE GABLE FLASHING



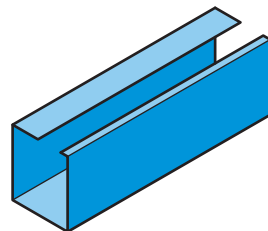
PROFILE EAVE GUTTER



VALLEY GUTTER



PROFILE BOX GUTTER



BOX GUTTER



Other accessories as required at site can also be made on order.

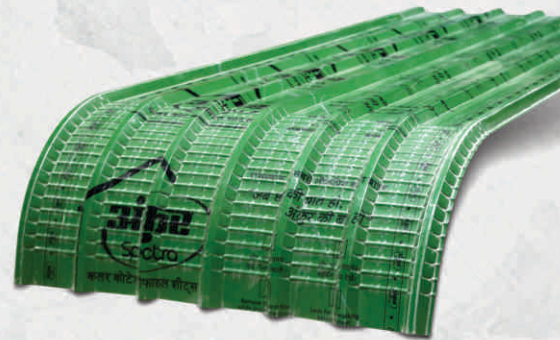
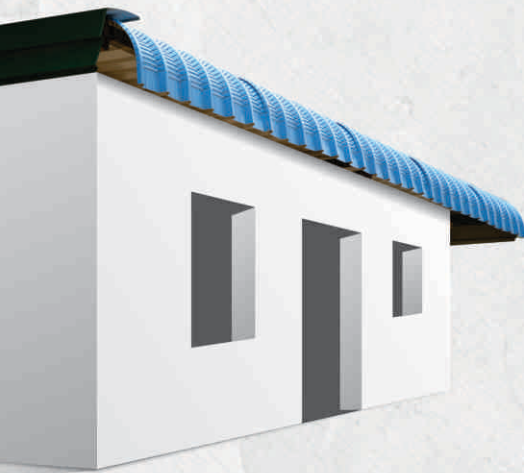


Crimps

We at 'Ankur Spectra' have one of the most robust machine to manufacture High Quality Crimp Eaves and Longline Crimp Sheets. The machine is capable of Crimping the hardest materials at various angles.

Benefits

- These Sheets ensure seamless bends preventing any chances of leakages.
- Gutters can be avoided when using Crimp sheets on the ends.
- Various Crimp Radius from 250mm to 600mm can be formed suiting to project requirements.



Longline Crimp Specifications

Total Sheet Length		Crimp Curve - 1.5'		Effective Length After Crimping	
Ft	mm	Longline Length (mm)	Crimp Curve (mm)	mm	Ft
8	2438	1978	460	2318	7.6
10	3048	2588	460	2928	9.6
12	3658	3198	460	3538	11.6
14	4267	3807	460	4147	13.6
16	4877	4417	460	4757	15.6
18	5486	5026	460	5366	17.6
20	6096	5636	460	5976	19.6



Our Infrastructure



Our Infrastructure





ARL Infratech Ltd.

601, 6th Floor, Akshat Heights
D-91, Madho Singh Road,
Bani Park, Jaipur - 302 016

t : +91-141-6606777
f : +91-141-6606799
e : sales@arlinfratech.com
w : www.arlinfratech.com