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ROOFTUFF BROCHURE/EV25-26/ANURAK/PTV-2000

The advertisement features the APL APOLLO ROOF TUFF logo at the top, with 'ROOF TUFF' in large red letters and 'Colored Coated Coils' below it. The tagline 'ROOFING INDIA WITH PRIDE' is in bold black letters. Below the tagline, the text 'DURABLE AND STRONG ROOFING WITH DIVERSE APPLICATIONS' is in a smaller font. The background shows a modern house with a red corrugated metal roof against a sunset sky. A circular badge in the bottom right corner says '10 YEARS WARRANTY'.

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**RANG BHI,
MAZBOOT BHI.**



ABOUT APL APOLLO

Welcome to APL Apollo, where innovation, excellence, and reliability converge to revolutionize the steel industry. As a premier manufacturer and supplier of high-quality steel products, we take immense pride in our unwavering commitment to pushing boundaries and setting new standards in the industry.

APL Apollo Tubes Limited stands tall as the largest producer of Structural Steel Tubes in India.

Our Legacy of Excellence:

With a legacy spanning over a decade, APL APOLLO has emerged as a global leader in the production of structural steel tubes. Our unwavering dedication to quality and customer satisfaction has propelled us to the forefront of the industry, earning us recognition as one of the largest players worldwide.

Innovative Capacity Investment:

We believe in investing in the future. Through consistent investment in our manufacturing capacities, we have positioned ourselves as pioneers in the industry. Our strategic approach to capacity creation ensures a balanced manufacturing infrastructure across regions, enabling us to meet demand with precision and efficiency.

Pioneering Technology Adoption:

At APL APOLLO, innovation is ingrained in our DNA. For the past two decades, we have been at the forefront of bringing cutting-edge technology to India's shores. From groundbreaking manufacturing processes to state-of-the-art machinery, we continuously push boundaries to create new products and markets.

Expansive Product Portfolio:

Our commitment to innovation is reflected in our expansive product portfolio, comprising over 2,000 SKUs. From structural tubes to hollow sections, pre-galvanized tubes to precision tubes, we offer a diverse range of products that cater to a multitude of applications and sectors.

Robust Distribution Network:

We understand the importance of accessibility. That's why we have developed the largest and most expansive distribution network in the industry. Supported by robust supply chain solutions, our multi-layer network ensures that our products are readily available across India.

Driving Trade Transformation:

We are not content with just meeting benchmarks; we strive to set them. By providing innovative products, rapid delivery, and growth opportunities to our channel partners, we have revolutionized trade practices within the industry.

A Commitment to Innovation:

Innovation is at the heart of everything we do. We remain steadfast in our commitment to developing innovative solutions that address evolving customer needs and deliver increased value. Our cutting-edge facility near Raipur is a testament to this commitment, where we manufacture value-added products that are firsts for the Indian markets.



5 Mn T
Steel products

30
Countries across
the Globe

13
Manufacturing units

SUSTAINABILITY IS AT THE CORE OF APL APOLLO

Our environmental management is not a strategy but a philosophy embedded in the substrata of the enterprise. It allows us to reduce our carbon footprint and also inspires our customers to meet their own environmental management aspirations. By championing sustainable practices, we create a ripple effect that benefits the entire ecosystem.

Products

We are the first and pioneering Company to innovate readymade Chaukhat, Fence, Plank, and Hand rails under the Steel for Green concept which replaced conventional wood applications in building construction. Our product saves approximately 250,000 trees every year, making a significant contribution to forest conservation. This translates to preserving vital habitats for countless species and promoting biodiversity.

Energy

Our total renewable energy stood at 145.0 MW, which is 60% of APL Apollo's total energy consumption. To achieve its near-term emissions reduction targets, APL Apollo plans to increase the use of renewable energy. At two of APL Apollo's plants (in Malur, Karnataka and Hosur, Tamil Nadu), over 85% of energy needs were met through renewable energy, demonstrating the feasibility of a sustainable future and paving the way for a cleaner and healthier planet.

Green cover

We have planted 5,000 plants on 3.1 acres of government-provided land in Gendupur Village, Sikandrabad, close to our AMPL (A25/Plot 22) and APL A19 manufacturing plants. Furthermore, we have undertaken a large number of plantation activities in our plants at APL Apollo Building Products Private Limited (ABPL). For the plantation of thick, natural mini-forests, we have adapted the Miyawaki technique pioneered by the Japa-

nese botanist Akira Miyawaki. The method will result in ten times faster plant growth and a plantation that is 30 times denser than typical, creating a valuable habitat for local wildlife and contributing to improved air quality through increased carbon sequestration.

Water

Over the years, we have persevered to optimise water consumption at our facilities by strengthening our shop-floor processes. Our patient efforts have yielded heartening results. Over the last three years (FY20-FY23), our total water consumption declined by 9% YoY despite a 30% jump in production. Our two facilities at Murbad and Malur are Zero-Liquid Discharge certified. To rejuvenate the groundwater table, we have created rain-water harvesting pits of around 353 cubic meters. This commitment to water conservation ensures a vital resource for future generations.

MEMBER OF

Dow Jones
Sustainability Indices

In Collaboration with RobecoSAM



DJSI FY2024 SCORE

APL APOLLO TUBES
STANDS AT

89

TH

PERCENTILE

(IN THE PEER INDUSTRY COMPRISING OF GLOBAL COMPANIES)
SCORE REACHED A HIGH OF 49 POINTS

**IMPROVEMENT
ACROSS AREAS**



Social
Dimension



Governance &
Economic Dimension



Environmental
Dimension

The Raipur Facility

Driving Innovation and Sustainable Growth

Manufacturing Plant Overview

APL Apollo's manufacturing facility located at Simga, Raipur spans across a vast 600-acre landscape, our facility stands as a testament to our commitment to excellence in the manufacturing of steel tubes and building products.

With a current annual capacity of 1.5 million tons, our facility is equipped to meet the growing demands of various industries.

Our operations prioritize environmental sustainability, with features such as:

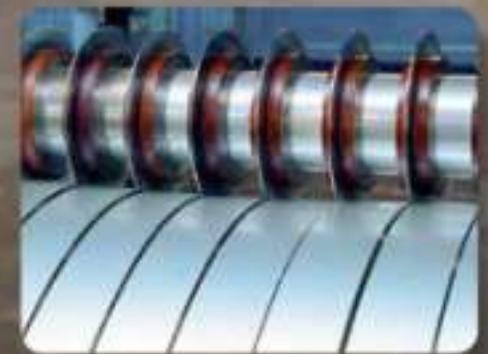
O

A Zero Discharge Plant, ensuring minimal environmental impact.



Implementation of an Acid Regeneration Plant, promoting eco-friendly practices.

Our facility boasts a range of groundbreaking product innovations, including:



India's first 20 mm HR Slitting Line



Launch of India's first 500 x 500 mm Structure Tube Section and introduction of 1000 x 1000 mm Structure Tubes, a pioneering feat in India and globally.



Implementation of India's first Thicker Colour Coating Line, offering superior coating thickness ranging from 1.60mm to 2.50mm

ABOUT APL APOLLO ROOFTUFF

APL Apollo Rooftuff is manufactured to the highest global standards. Rooftuff guarantees exceptional strength and grade quality. Its unique chemical composition and layered coatings deliver superior corrosion resistance. From the initial pretreatment to the final topcoat, each layer benefits from advanced technology. This ensures not only protection against chipping, flaking, and blistering, but also long-lasting color vibrancy.

APL Apollo's Rooftuff is a revolutionary roofing solution crafted from high-quality, color-coated Alu-Zinc steel. This innovative material offers exceptional strength, enduring beauty, and easy installation, making it the ideal choice for discerning builders and homeowners seeking a reliable and aesthetically pleasing roof.

Unwavering Protection

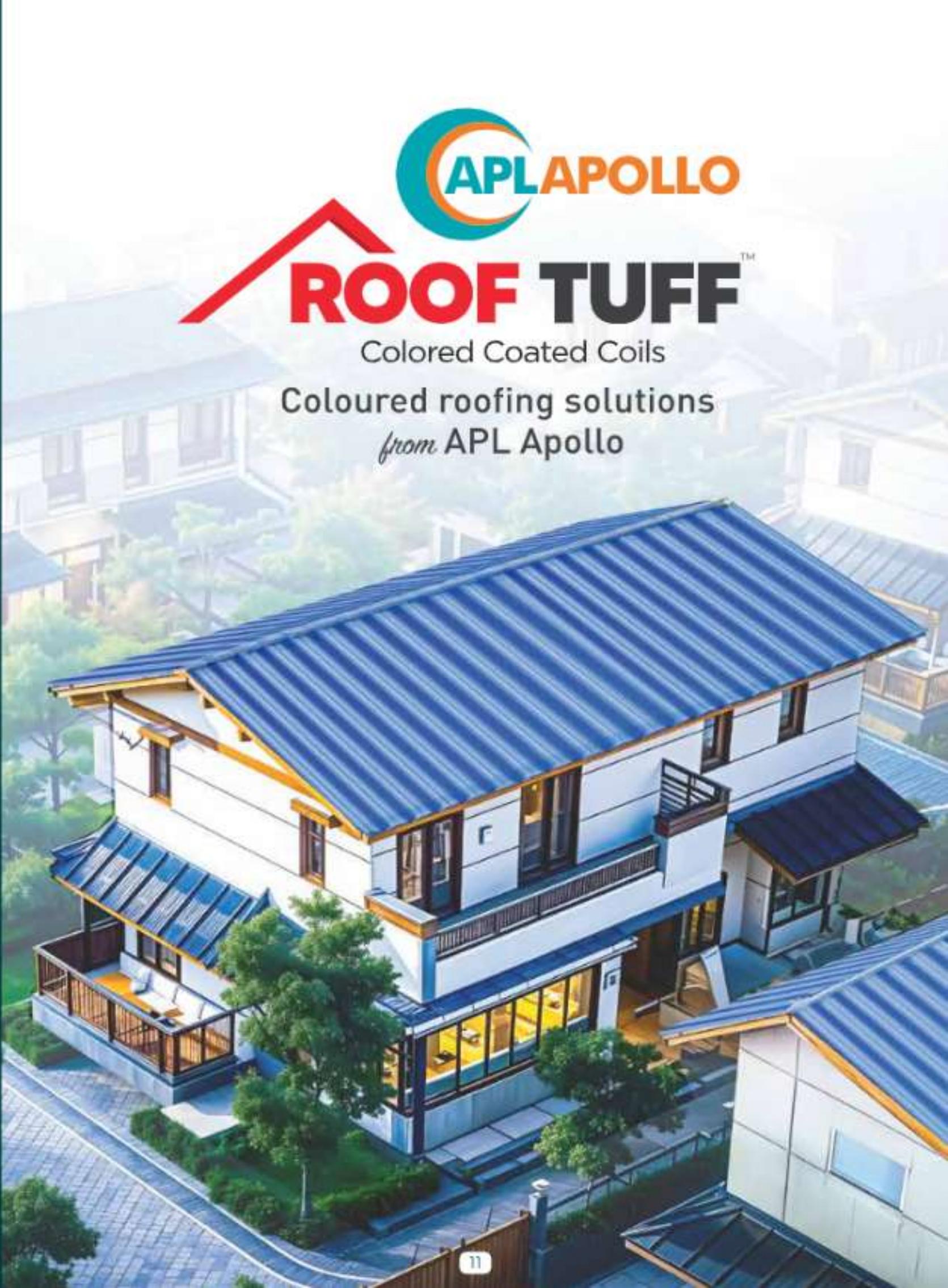
Superior Durability: Alu-Zinc steel's unique blend provides exceptional corrosion resistance and impact absorption, safeguarding your building from harsh weather and maintaining structural integrity for years to come.

Enduring Aesthetics:

Long-Lasting Vibrancy: Unlike traditional materials, Rooftuff's advanced color coating delivers long-lasting vibrancy in a wide range of colors, allowing for personalized design.

CONFIDENCE GUARANTEED

Rooftuff offers lasting peace of mind. Backed by a 10-year warranty against perforation by weathering, you're assured of exceptional performance for years to come.



MANUFACTURING PROCESS

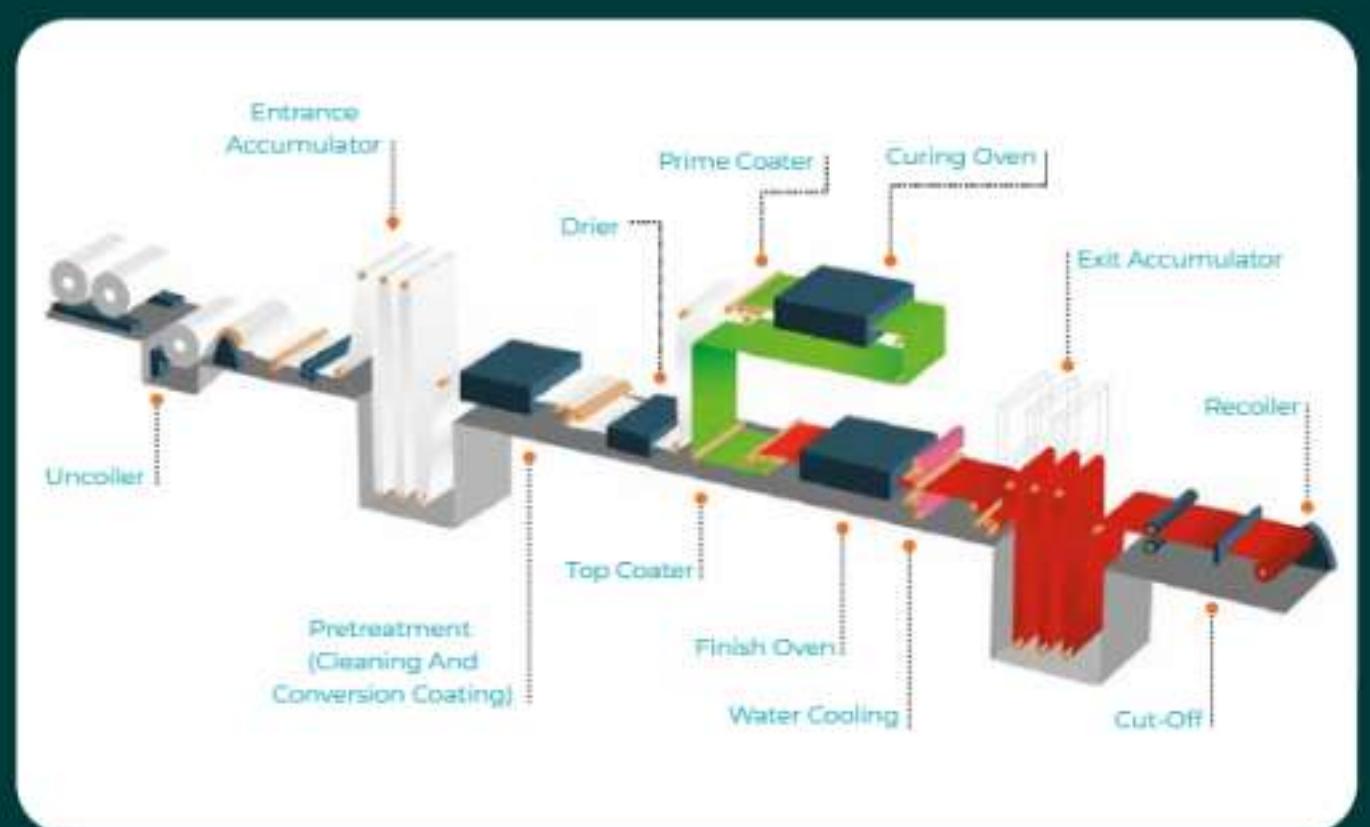
APL Apollo Rooftuff isn't just about the finished product; it's the culmination of a sophisticated manufacturing process.

High-quality steel coils begin their journey by being unwound and fed into specialized machinery. Here, the steel undergoes precise corrugation, forming the signature wave pattern that grants Rooftuff its exceptional strength.

This transformation doesn't stop there. Advanced technology meticulously applies a color-coated Alu-Zinc (Al-Zn) layer. This layer not only provides vibrant color options but also imbues Rooftuff with exceptional weather resistance. Precise heating ensures the coating adheres seamlessly to the coated alu-zinc steel base, creating a lasting bond. Finally, each Rooftuff panel undergoes rigorous inspection to guarantee consistent quality. This meticulous process transforms raw steel into the robust and aesthetically pleasing Rooftuff – a testament to APL Apollo's commitment to innovation and excellence.



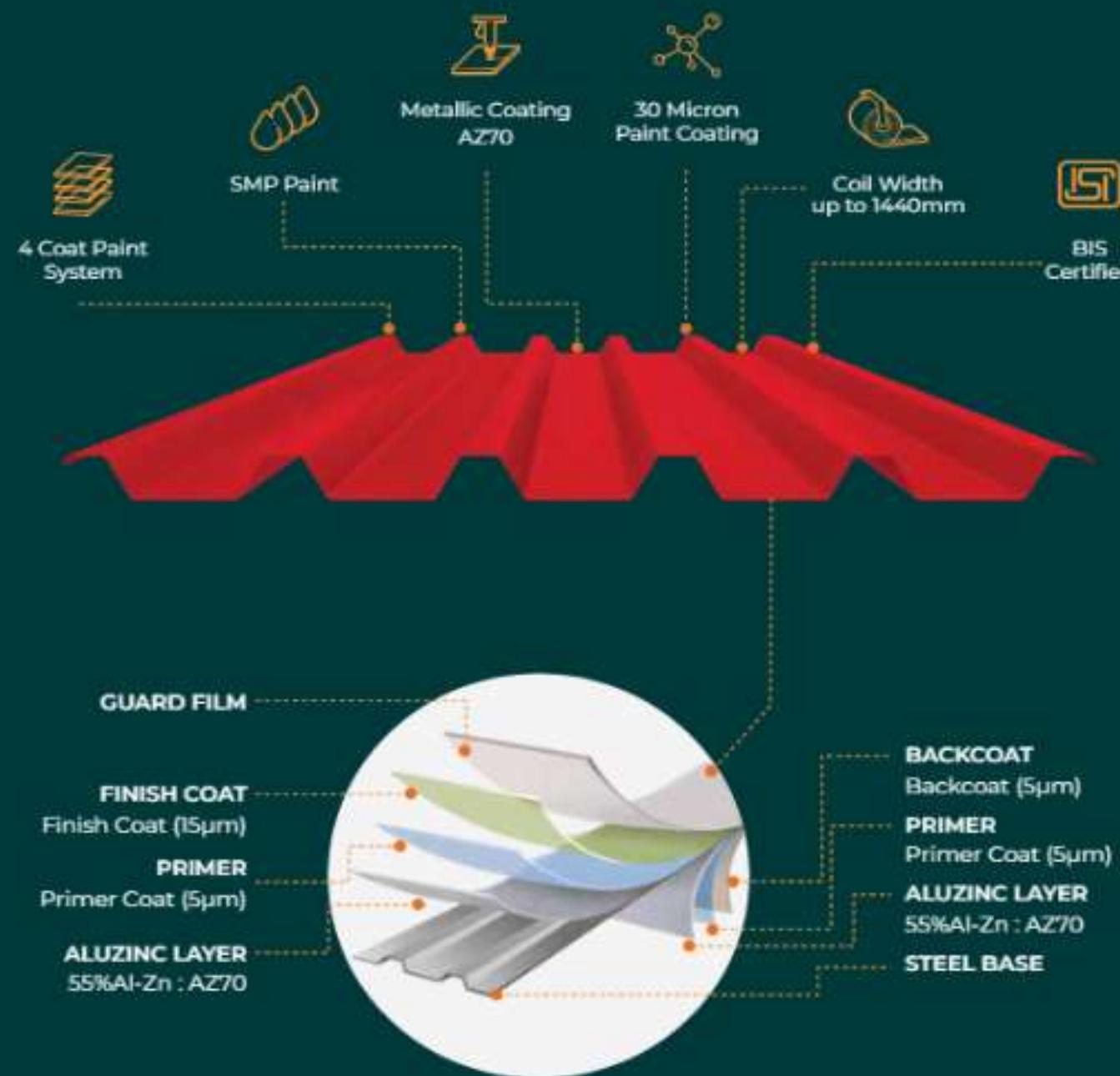
MANUFACTURING
PROCESS VIDEO



WHAT MAKES APL APOLLO ROOFTUFF THE PERFECT CHOICE?

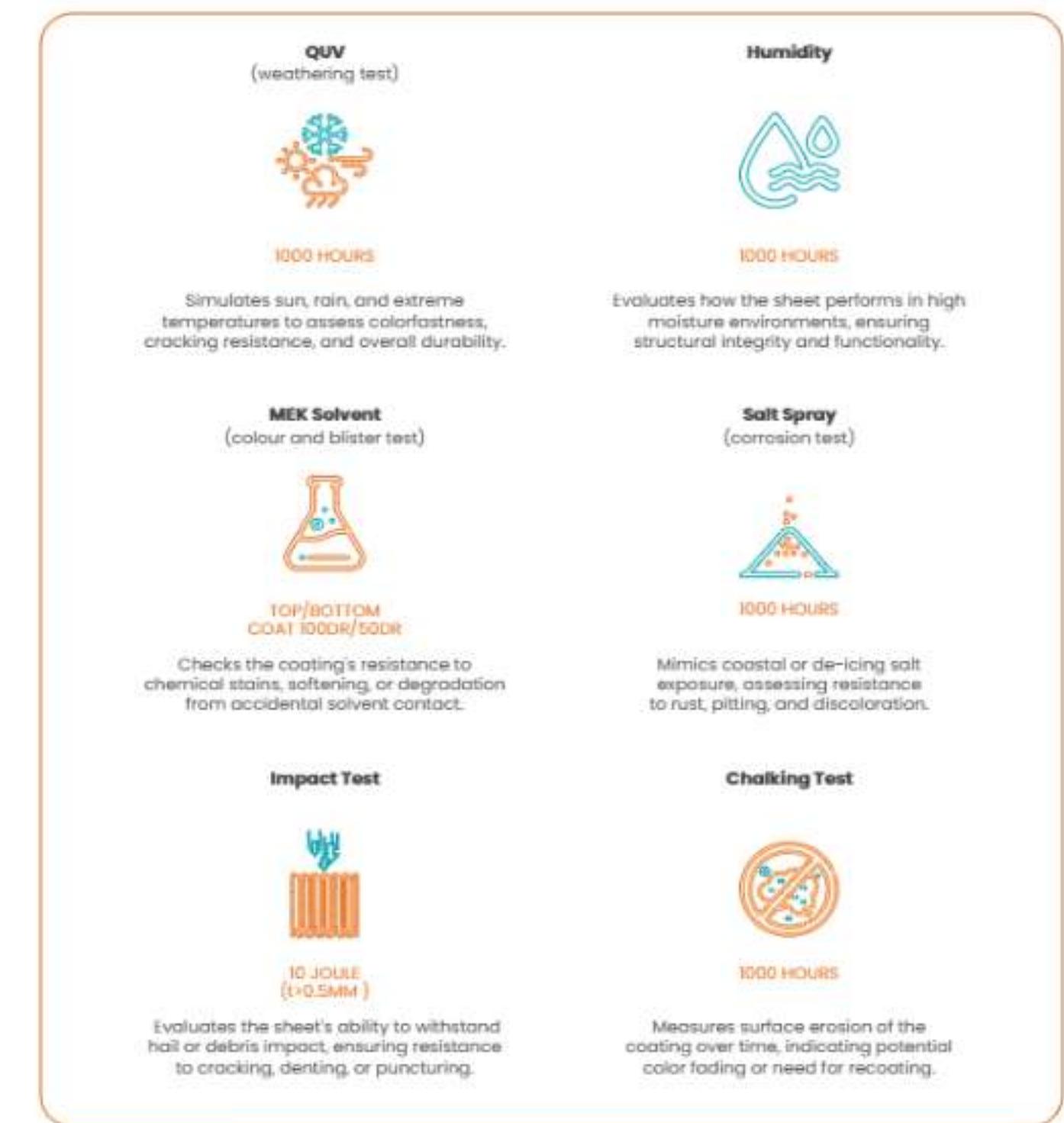
Crafted from a revolutionary material – Alu-Zinc (Al-Zn) steel – APL Apollo Rooftuff redefines what a roof can be. It seamlessly blends exceptional strength with enduring beauty, making it the ideal choice for discerning builders. But what exactly makes Rooftuff so unique?

Let's delve into the science behind its superior performance:



APL APOLLO ROOFTUFF PASSES THROUGH STRINGENT QUALITY TESTS

Crucial for withstanding diverse climates, roofing sheets undergo rigorous testing, including humidity testing. This test exposes them to controlled levels of moisture and heat, mimicking real-world conditions. By enduring these conditions, Rooftuff ensures it maintains its structural integrity and functionality. This is particularly important in humid regions where moisture absorption can lead to warping, swelling, or even corrosion. By excelling in the humidity test, Rooftuff guarantees long-lasting performance and protects your building in even the most challenging environments.



CHOICE OF THE PAINT DETERMINES THE LONGEVITY OF YOUR ROOF

SMP

Silicone Modified Polyester

Combines polyester resins with silicone additives.



High color retention and better resistance to fading, chalking.



Higher heat tolerance.



Durable and longer life span with less maintenance.



RMP

Regular Modified Polyester

Made primarily with polyester resins.



Low color retention and prone to fading, chalking.



Lower heat tolerance.



Needs regular maintenance for the upkeep of the sheet.



**APL APOLLO ROOFTUFF
SMP Vs RMP VIDEO**

APL APOLLO

ROOF TUFF™

Colored Coated Coils



APL Apollo Rooftuff uses only SMP paint.

NABL ACCREDITED TESTING FACILITIES

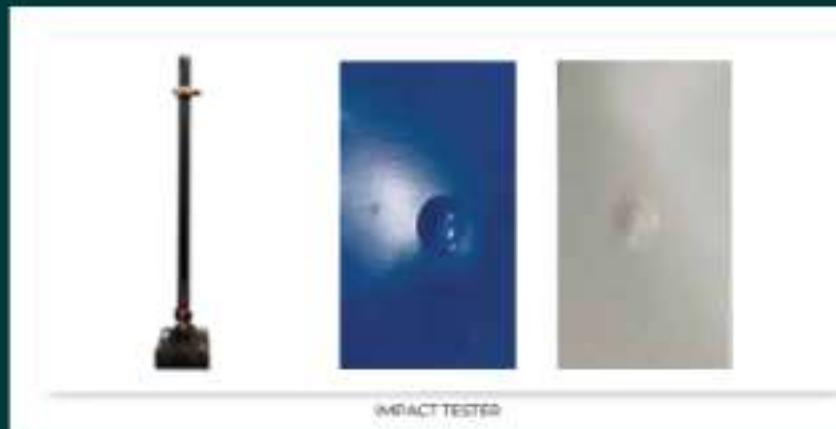
APL APOLLO ROOFTUFF PASSES THROUGH STRINGENT QUALITY TESTS



LAYER WISE DFT TESTER



SPECTROMETER



IMPACT TESTER



SCRATCH TESTER



QUV WEATHERING TESTER



SPECTROPHOTOMETER



PENCIL HARDNESS TESTER



ERICHSEN CLIPPING TESTER (DIGITAL)



UNIVERSAL TENSILE TESTING MACHINE



SALT SPRAY CABINET



LOCK FORMING TESTING MACHINE



ROCKWELL HARDNESS TESTER



VICKERS HARDNESS TESTER



VISUAL COLOR MATCHING CABINET

NABL'S CERTIFICATE OF ACCREDITATION



APL APOLLO BUILDING PRODUCTS
LIMITED
ISO/IEC 17025:2017

EXTENSIVE RANGE OF COLOURS



Metallic Green



RAL - 6016
(Turquoise Green)



Reliance Green



Pepsi Blue



RAL - 5012
(Light Blue)



Royal Blue



Burgundy Red



Brick Red



Seco Red



RAL - 7024
(Graphite Grey)



RAL - 7015
(Slate Grey)



RAL - 9002
(Off White)

KEY BENEFITS



Suitable for high temperature areas



Suitable for all weather conditions



High color retention



Longer life span with less maintenance



Corrosion resistant



Better resistance to fading & chalking

MARK OF INGENUITY



Specimen Of Guardfilm



Actual Image Of Hologram

LOGO AT THE TOP



LINE MARKING AT THE BACK

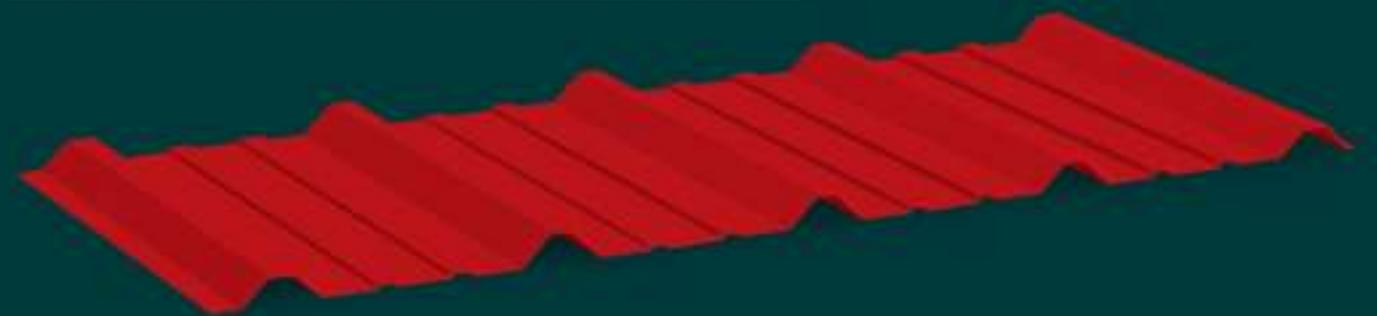
APL APOLLO ROOF TUFF 10 YEAR WARRANTY IS 15965 - 0.50 MM PPZ-4 COAT AZ-70 - MADE IN INDIA

SHEET THICKNESS RANGE

0.3mm to 1.2mm

PROFILE VARIATIONS

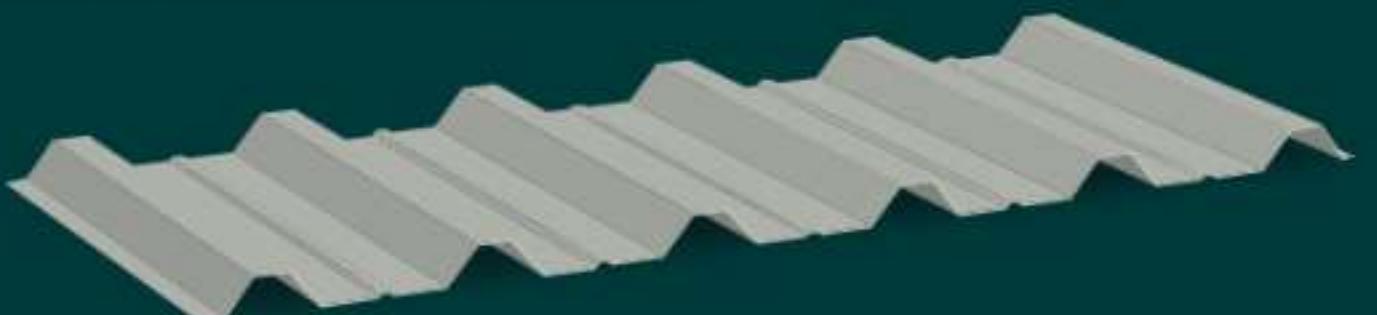
4ft WIDER - DOUBLE TRAPEZOIDAL PROFILE



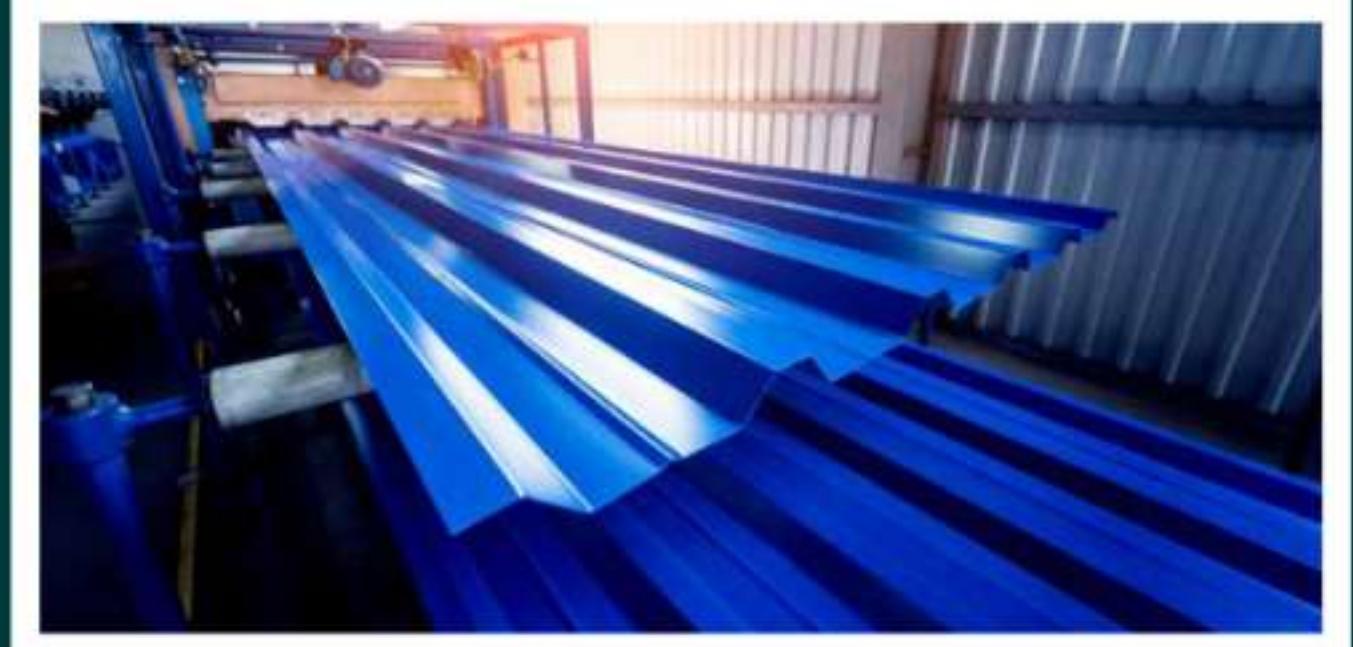
DOUBLE RIPPED TRAPEZOIDAL PROFILE



SINGLE RIBBED TRAPEZOIDAL PROFILE



TRAPEZOIDAL PROFILE WITHOUT RIB



QUALITY CONTROL DEPARTMENT

Flat Products Safety and Protection Guidelines of Galvanised/Alu Zinc Colour Coated/CRCAFHC in handling, transportation and storage.

This material handling, transportation, safe storage guideline is applicable to all flat products delivered from ABPL under the following suggestions and recommendations:

1. Handling: The flat products should be handled with proper designed handling equipment and devices like forklift, C hooks, nylon belts, high tensile strap cutters etc. Coils and packets should be properly lashed, choked & covered before transportation. Coils and packets lifting and putting down movement from one place to another should be slow and not in a hurry/rapid and without any jerk. Coils should not be rolled on floor or on truck.

2. Transportation: The coils and packets must be well covered to protect from rain water in transit.

3. Storage: If not required for immediate use, coils and packets should be stacked neatly, clear of ground without any water seepage inside. In case the material is stored in open area, it must be protected from rain and moisture condensation with tarpaulins or similar covers and stacked at an angle to assist free drainage and free air flow below coils and packets.

4. Forming: The equipment should be clean so that oil/grease or any foreign particles do not come into coated/painted surface. Sheets should not be dragged over other sheets or equipment surfaces.

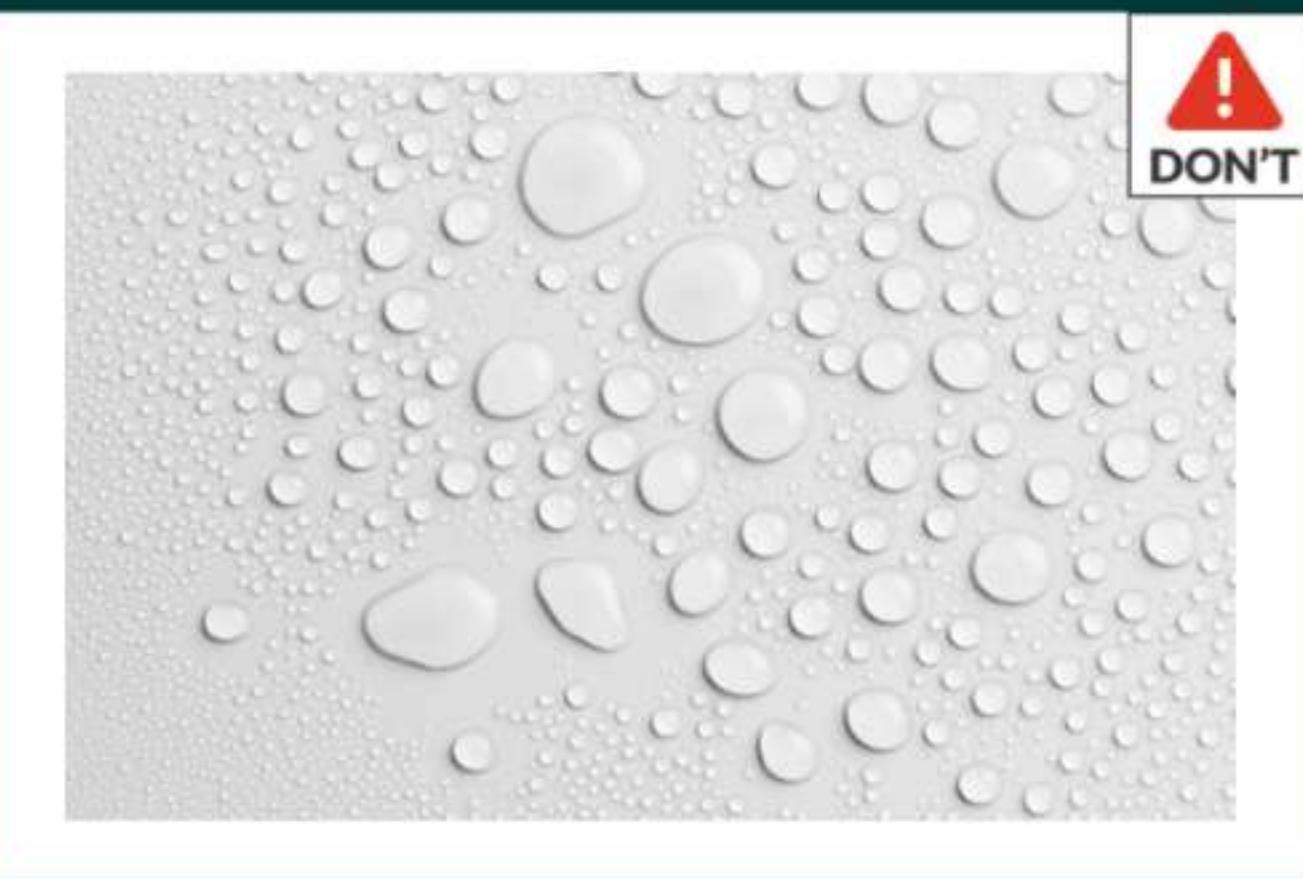
5. Leftover debris or surplus items such as fasteners, iron drill particles should be carefully removed each day after completion of installation work from sheet surface.

6. Material with guard film: In case water enters the sheet bundle or coils then the guard film must be removed immediately and the sheet or coil to be dried. The film should be immediately removed after the installation /or within 30 days from the date of receipt of coils/packets.

7. Durability: Product durability is subjected to environmental conditions in surrounding atmosphere at installation site.



Water Condensation/ Accumulation not allowed/ Failure to keep dry may result in coating damage



CERTIFICATIONS



APL APOLLO BUILDING PRODUCTS
ISO 9001:2015



APL APOLLO BUILDING PRODUCTS
ISO 14001:2015



APL APOLLO BUILDING PRODUCTS
ISO 45001:2018



APL APOLLO BUILDING PRODUCTS
EN 10169:2022

APPLICATIONS

Residential Roofs



Commercial Buildings



Industrial Sheds



Warehouse Sheds



Product Range



Our Clientele



ENVIRONMENT

At APL Apollo, we are committed to taking care of the environment by implementing several measures for a better and cleaner tomorrow, while ensuring that the entire process is energy efficient. Our Zero Discharge sustainable policy makes sure that all water used in the production process is treated and reused. This reduces industrial water wastage drastically. We have planted trees in and around our premises and we've converted barren lands into green pastures.



Our Network

