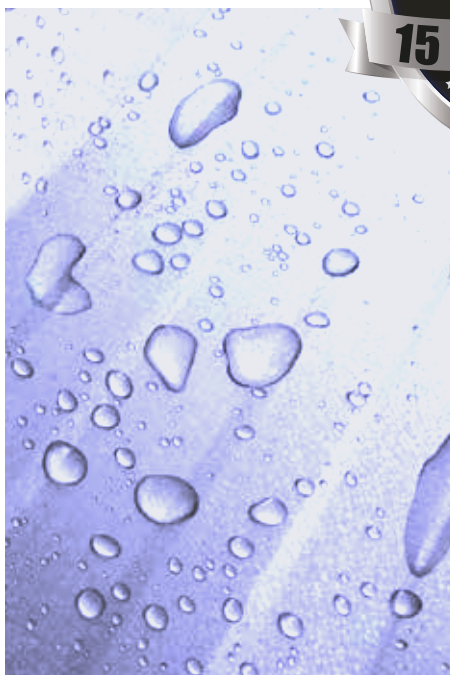


# JSW Colouren+

Premium Colour Coated Roofing Sheets



## BEAUTY THAT LASTS FOREVER







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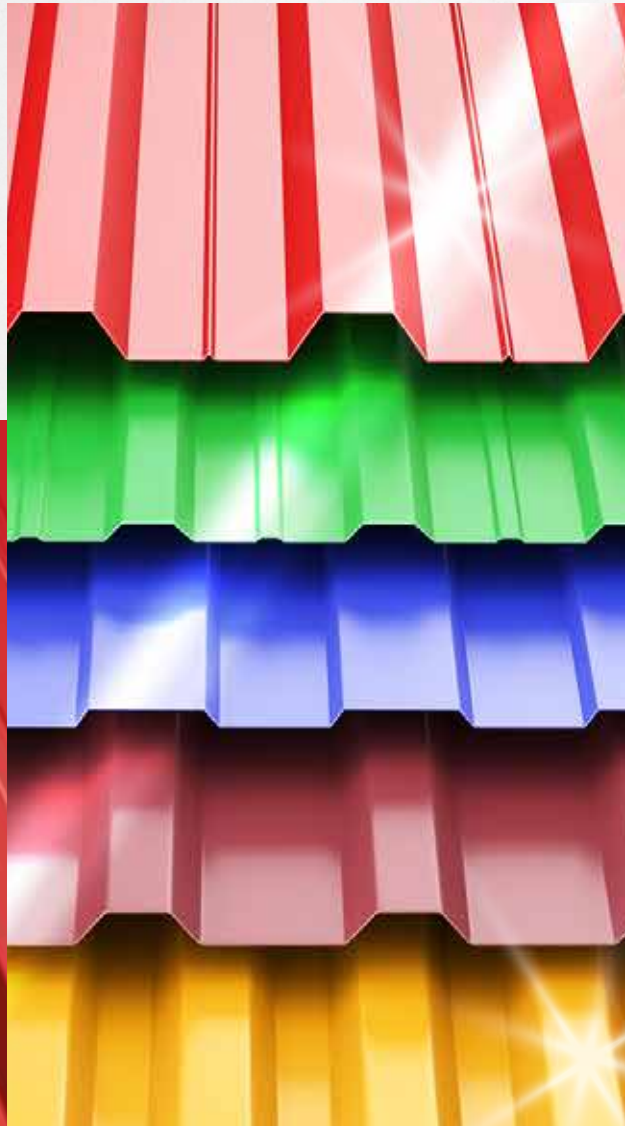


It is our Vision here at JSW that we are able, both now and in the future, to demonstrably contribute in a socially, ethically and environmentally-responsible way to the development of a society where the needs of all are met, and to do so in a manner that does not compromise the ability of those that come after us to meet the needs of their own, future generations.

**SAJJAN JINDAL**

Chariman & MD  
JSW Group

BEAUTY THAT LASTS  
**FOREVER**





## About Us

**JSW Steel Coated Products Limited (JSWSCPL)** is a 100% subsidiary of JSW Steel, one of India's biggest Steel producers and the flagship company of JSW Group. Ranked among India's top business houses, JSW's innovative and sustainable ideas cater to the core sectors of Steel, Energy, Cement & Infrastructure. With a continuous strive for excellence with its strength, differentiated product mix, state-of-the-art technology, excellence in execution and focus on sustainability, we indeed drive change.

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## Milestones In The Steel Industry

- No. 1 Steel brand post BPSL acquisition
- Largest Coated and Colour Coated Steel producer in India
- India's first licensed Galvalume® producer
- India's largest integrated special Alloy Steel plant

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## Proud Moments

- JSW is recognized as a Steel Sustainability Champion by Worldsteel
- JSW Steel Dolvi CII CAP 2.0 Awards 2021
- Best Social Media Brand Infrastructure #SAMMIE2020
- Great Place to Work Certificate 2020
- Best use of Social Media in a Digital Campaign for #KheIkhushiyonKa
- Golden Peacock Award winner of Sustainability 2020



## About JSW Colouren+

JSW Colouren+ is one of the flagship brands from the house of JSW. It has been a flag-bearer of innovation for many years now. Ready with pre-painted Color Coated coils and sheets, JSW Colouren+ is here with a new set of variants in roofing solutions. Their inbuilt anti-corrosion coating makes them weather-proof. The superior paint technology protects them even more by preventing the paint from cracking and peeling off. The organic polythene film on the sheets protects them from damage during transit. Choose from the 3 major variants that come with a warranty of 15 years. Let your home be built with beauty that never fades.

Liner Marking will appear as:

JSW COLOURON+ X.XX MM AZXXX P DD MM YY (IS) 15965 BIS APPROVED

(where P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)

## Advantages of JSW Colouren+



The sheets come with a warranty of 15 years, thereby beautifying homes & lives for a lifetime.



JSW Steel is the first licensee of Galvalume in India. Galvalume products offer superior corrosion-resistance compared to other coating technologies, making your roof last longer even in the harshest of weather conditions.



It comes with anti-corrosion technology that prevents early corrosion of steel and substantially increases the life of the roof.

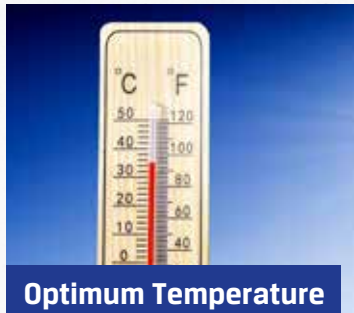






**ISI Approved**

It is India's first ISI certified Colour Coated sheet that shows the commitment of JSW Steel Coated Products Limited towards manufacturing world-class products with cutting edge technology.



**Optimum Temperature Management**

It stops heat radiations from penetrating inside the building, thus maintaining greater thermal comfort all year round, keeping the interiors cooler.



**All Weather Protection**

It withstands all kinds of weather, be it heavy rains, salty sea air, humid coastal climate, cold snow or heat.



**Strength**

Made from Pure Steel, it has high tensile strength at an optimum weight. It offers a yield strength of min 550 mpa and 770 mpa to meet the needs of various applications.



**Stringent Quality Tests**

Every JSW Colouon+ sheet undergoes stringent quality tests to ensure world-class quality.



**Advanced Technology**

JSW Steel uses the latest indigenous and international technology to manufacture steel and steel products. Additionally, it employs the best machinery to ensure the highest level of quality.



**Superior Paint Technology**

The paint of ordinary Colour-Coated sheets start fading very fast and in 1-2 years the roof starts looking dull and old. JSW Colouon+ is Colour-Coated using superior paint technology that prevents cracking and peeling of the paint, ensuring the roof looks new even after a lifetime.

# New Variants

Introducing the all-new variants of JSW Colouren+ with upgraded strength, shine and extra protection for your homes. Know more about the roofs that make your homes look beautiful vibrant and safe.

## JSW Colouren+ - High Gloss



We pour all our dreams in the house we build for our family and make it live through the ravages of time. Maintaining your roofs sounds like hard work but the process becomes much easier if you build a sustainable one. Hence, JSW Colouren+ is a preferred choice to protect your home from all kinds of weather and also to make it look beautiful. With the new High Gloss variant of JSW Colouren+, make your homes safe & beautiful for years to come.

### Advantages of High Gloss are:



**Better Endurance**



**Highest Reflective Appearance**



**Aesthetic Beauty**



**Better Overall Performance**



**Easy to Clean**



**Weatherproof Roofs**

Liner Marking will appear as:

JSW COLOURON+ HG X.XX MM AZXXX P DD MM YY (ISD) 15965 BIS APPROVED

(where, P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)





## JSW Colouren+ - High Gloss & Anti-Dust



The duo-power coating on your roof makes them low on maintenance & high on beauty. With the power of dual protection for your roofs, High Gloss and Anti-Dust variants ensure a glossy appearance and auto cleaning ability. Your roofs look bright, fresh, and clean even after years of natural exposure. The anti-dust property of the roof does not allow the dust to settle on the roof hence it keeps the roof clean, and dust-free too. The stained surfaces can be easily cleaned physically with wet or dry wiping, by simply sprinkling water or even naturally, via wind and rains.

### Advantages of High Gloss and Anti -Dust are:



**Better Endurance**



**Highest Reflective Appearance**



**Glossy Sheets**



**Easy to Clean**



**Scratch Proof**



**No Dust Retention**

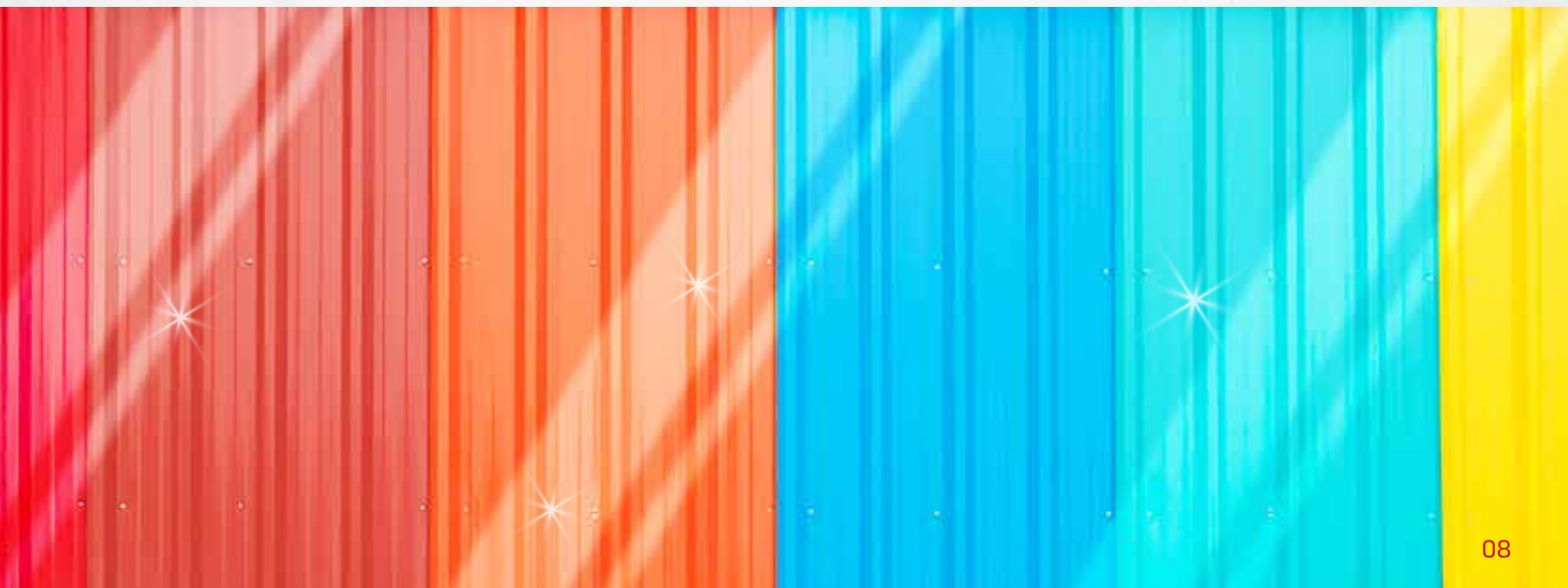


**Weather Tested  
(Equivalent to 2.5-3 years of natural exposure)**

Liner Marking will appear as:

JSW COLOURON+ HG + AD X.LX MM AZXXX P DD MM YY (ISD) 15965 BIS APPROVED

(where, P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)





BEAUTY THAT LASTS  
**FOREVER**





## JSW Colouren+ - Cool Roof



Curated for homes built across high-temperature terrain, the Cool Roof feature in the upgraded sheets helps in maintaining temperature in your house round the year. White and pastel shades have relatively lesser solar absorbing capacities thus, resulting in naturally cool shades & homes. For significant cooling performance, our sheets come in pastel color pigments resulting in lower infra radiation absorptivity by around 25%, thus giving homes cool roofs that help you in building a home that is sure to protect you even through extreme summers.

**Cool Roof Technology:** JSW Colouren+ sheets are available in more than 10 shades, these roofing sheets have been identified as per market demand and developed with higher SRI property.

### Advantages of Cool Roofs are:



**Decreases the Peak Roof Temperature by 3-5 Degrees**



**Lower Sun Absorption**



**Reduced Heat Load**



**Lesser Insulation Cost**



**Environment Friendly & Lightweight**

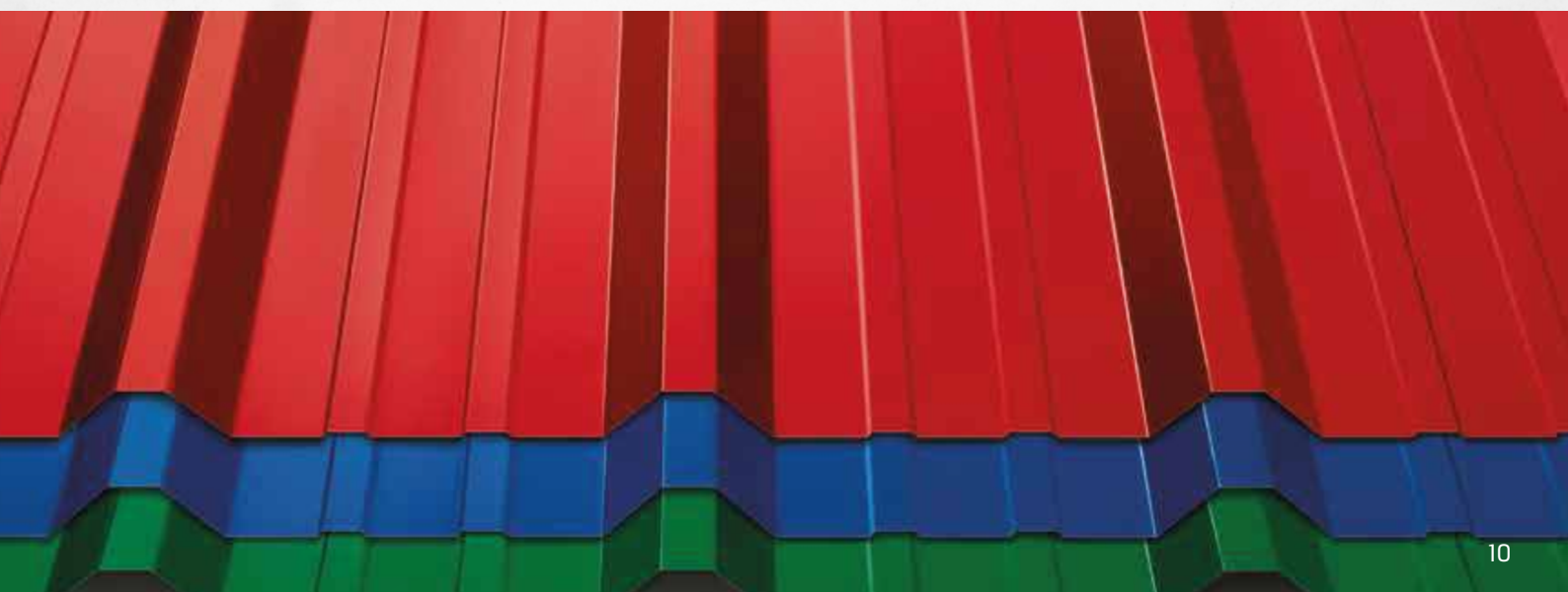


**More Savings**

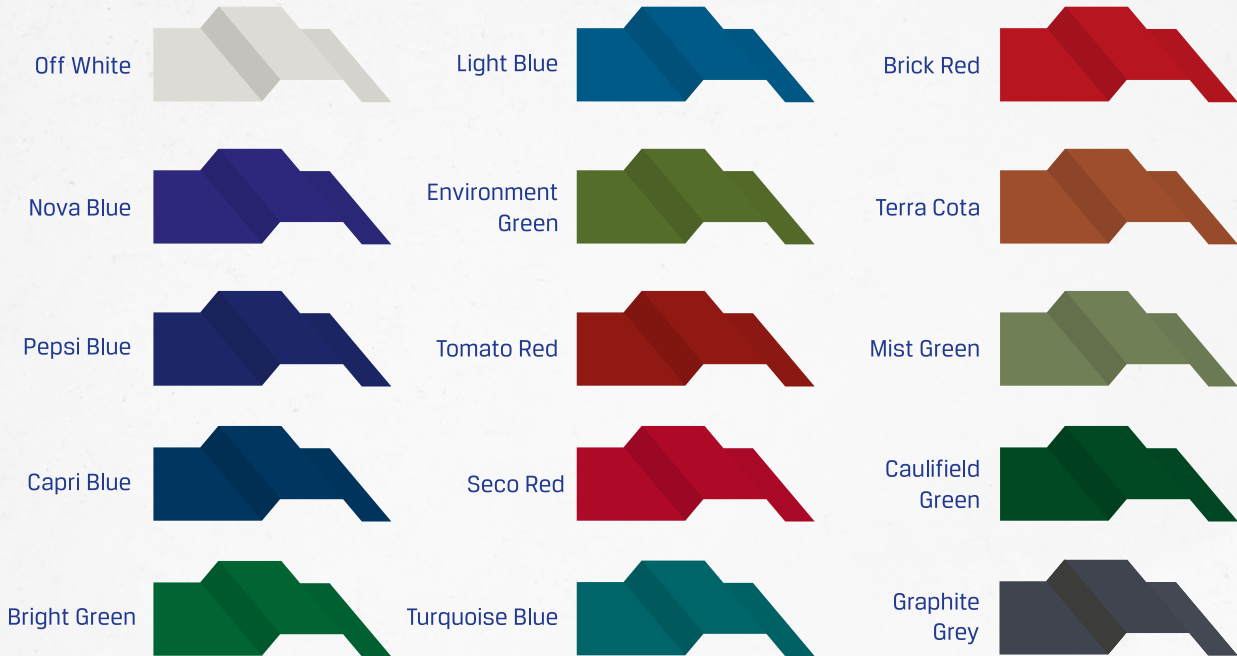
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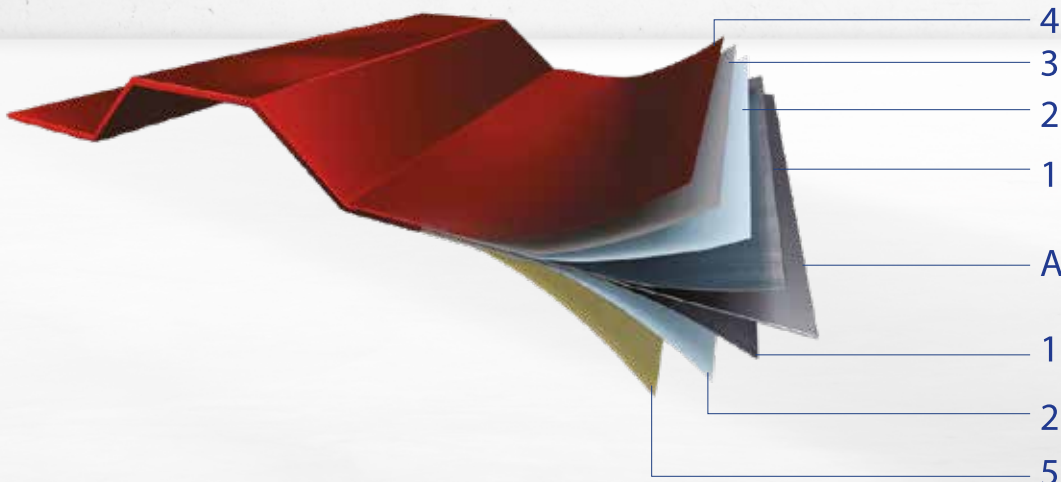


## A Wide Range Of Colours



## Product Specifications

Thickness (mm)	0.20 - 1.2
Width (mm)	600 -1335
Substrate	Al - Zn alloy steel
Coil Form Coating Mass (gsm)	70 - 200
Hardness (HRB)	55 - 65 Soft CQ, Above 85 for grade 80
Guard Film - optional (microns)	50μ (Customised also) ASTMA A 755, EN 10169, IS 15965



**Fundamental Product Structure for Colour-Coated Galvalume**

- A - Cold rolled steel substrate
- 1 - Al - Zn alloy steel
- 2 - Pre-treatment (chromating)
- 3 - Primer
- 4 - Top coat
- 5 - Backer coat

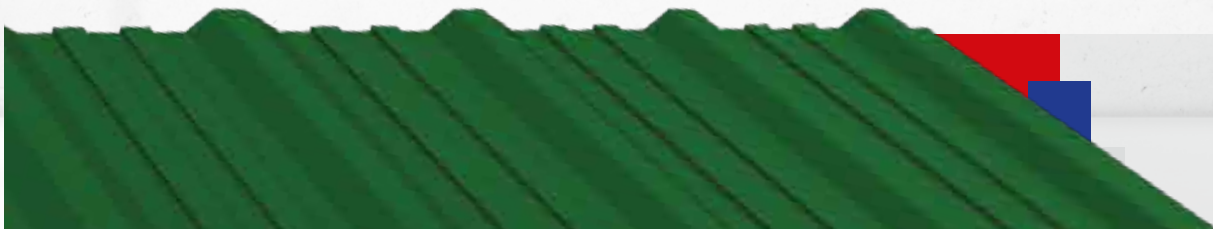




# Different Designs

## 4ft WIDER - DOUBLE TRAPEZOIDAL PROFILE

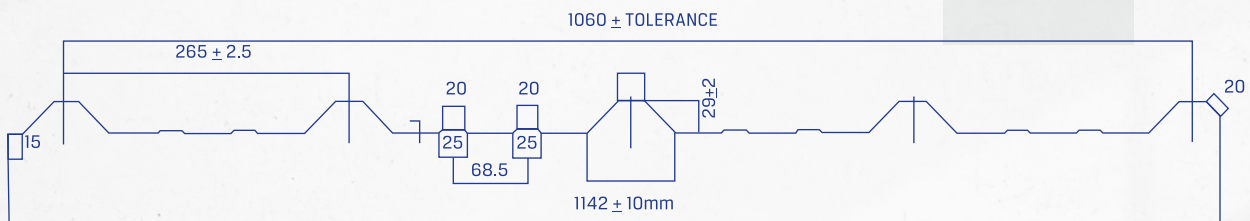
Thickness (TCTP in mm)	<b>0.350, 0.40, 0.45, 0.50, 0.60</b>
Effective Cover Width (mm)	<b>1142</b>
Overall Width (mm)	<b>1220</b>
Pitch (mm)	<b>285.5+/-2.5</b>
Crest Height (mm)	<b>29+/-2</b>
Length (ft)	<b>8, 10, 12, 14, 16, 18, 20, 22, 24</b>
Substrate*	<b>PPGL AZ70 &amp; AZ150</b>



\*Refer the warranty document for warranty on substrates.

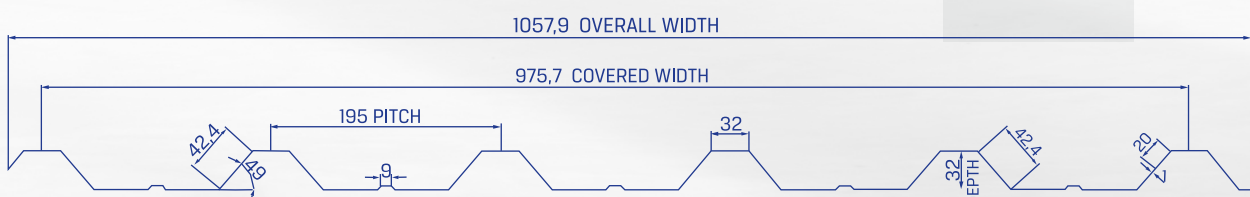
## DOUBLE RIPPED TRAPEZOIDAL PROFILE

Thickness (TCTP in mm)	<b>0.45 &amp; 0.50</b>
Effective Cover Width (mm)	<b>1060</b>
Overall Width (mm)	<b>1142</b>
Pitch (mm)	<b>265.5+/-2.5</b>
Crest Height (mm)	<b>29+/-2</b>
Length (ft)	<b>8, 10, 12, 14, 16, 18, 20, 22, 24</b>
Substrate	<b>PPGL</b>



## SINGLE RIBBED TRAPEZOIDAL PROFILE

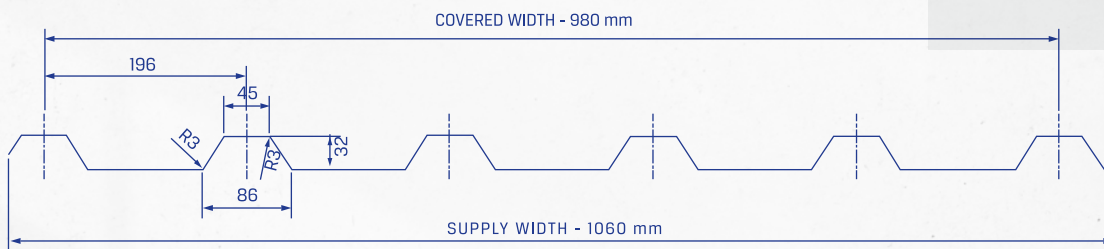
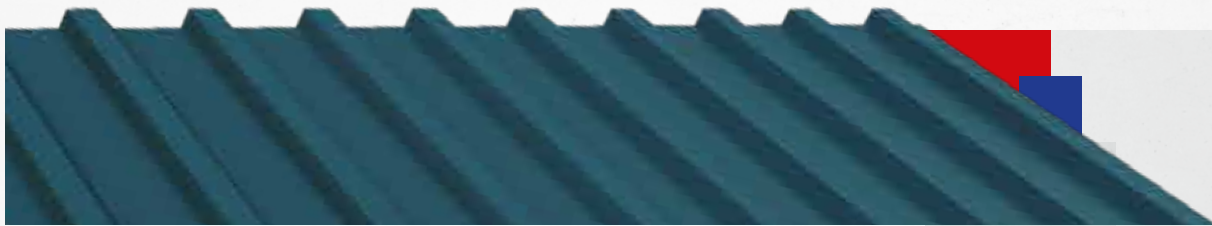
Thickness (TCTP in mm)	<b>0.45 &amp; 0.80</b>
Effective Cover Width (mm)	<b>975</b>
Overall Width (mm)	<b>1057</b>
Pitch (mm)	<b>195+/-2.5</b>
Crest Height (mm)	<b>32+/-2</b>
Length (ft)	<b>8, 10, 12, 14, 16, 18, 20, 22, 24</b>
Substrate	<b>PPGL</b>





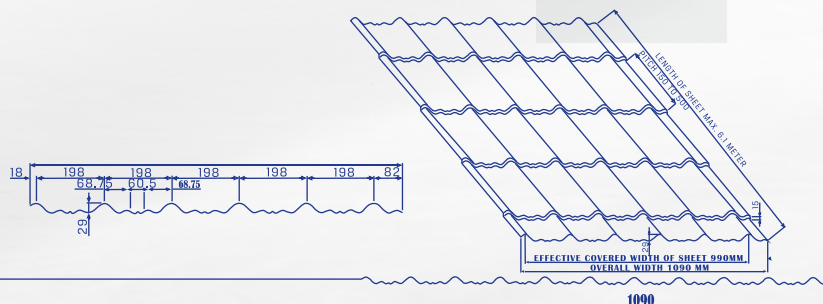
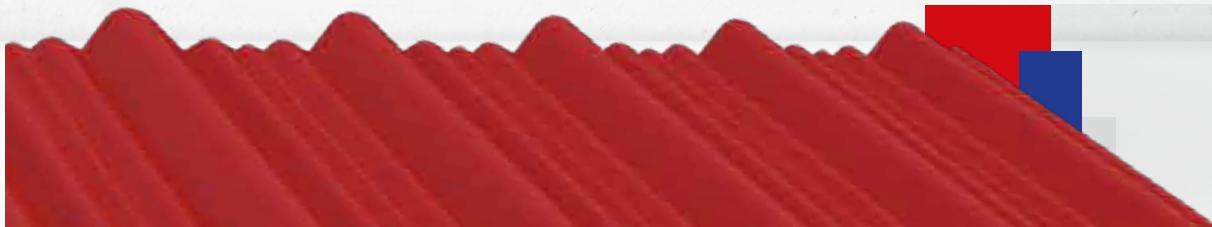
## TRAPEZOIDAL PROFILE WITHOUT RIB

Thickness (TCTP in mm)	<b>0.45 to 0.80</b>
Effective Cover Width (mm)	<b>980</b>
Overall Width (mm)	<b>1060</b>
Pitch (mm)	<b>196+/-2.5</b>
Crest Height (mm)	<b>32+/-2</b>
Length (ft)	<b>8, 10, 12, 14, 16, 18, 20, 22, 24</b>
Substrate	<b>PPGL</b>



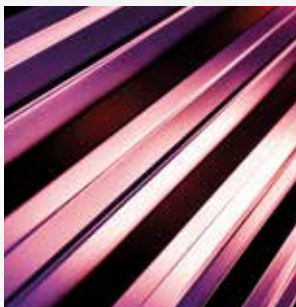
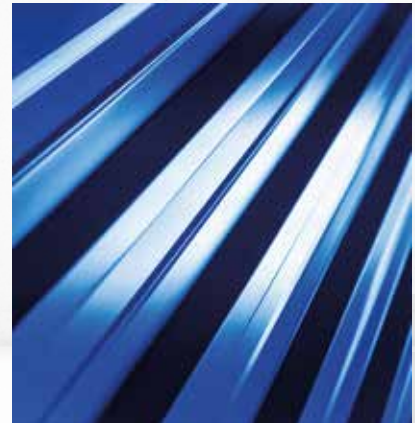
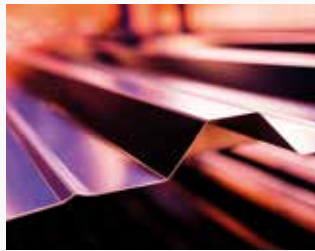
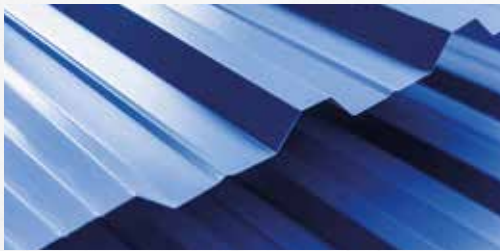
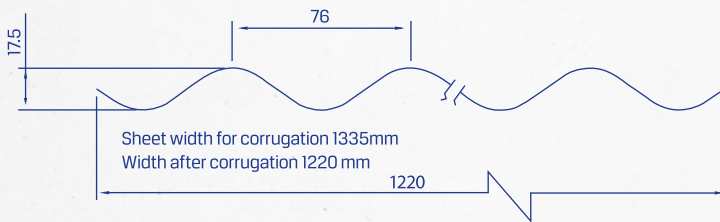
## MANGALORE TILE PROFILE

Thickness (TCTP in mm)	<b>0.45 &amp; 0.80</b>
Effective Cover Width (mm)	<b>990</b>
Overall Width (mm)	<b>1090</b>
Pitch (mm)	<b>198+/-2.5</b>
Crest Height (mm)	<b>NA</b>
Length (ft)	<b>8, 10, 12, 14, 16, 18, 20, 22, 24</b>
Substrate	<b>PPGL</b>



## CORRUGATED/SINUSOIDAL PROFILE

Thickness (TCTP in mm)	0.22 to 0.80
Effective Cover Width (mm)	800/910/1120/1220
No. of Valleys	10/12/14/16
Pitch (mm)	75.5+/-2.5
Crest Height (mm)	16.5+/-1.5
Length (ft)	8, 10, 12, 14, 16
Substrate	PPGL





# Installations

## Placement of Groove Portion

### Right way



The groove portion should be on the inner side. The air gap on the left ensures that water does not travel upwards



### Wrong way



The groove portion should not be on the outer side. Improper contact makes the roof vulnerable to water leakages.



## Proper fastener installation procedures to be followed

1. Do not allow direct contact with cement or cement foundation.
2. Accelerated corrosion can occur due to lime contained in the cement.
3. Do not leave metal fillings on the sheets.
4. Metal debris from sawing, drilling and other construction processes should be removed during installation. Otherwise, the metal fillings will form red rust on the surfaces where they were deposited. Red rust of the metal fillings may cause stain or discoloration on the surface of the panel.
5. Do not install the roof sheets during rains as sheets get wet and slippery and can cause damage to the sheets.
6. It is important that shoes do not have small stones, steel drillings, etc. embedded into the soles.
7. Do not allow dirt accumulation on the sheets.



## Storage and Handling

If Colour Coated sheets are to be stored for any time prior to forming or installation, they must be stored in dry and well ventilated conditions. Storage which allows water (including condensation) to be trapped between the sheets may damage the coating beyond repair.

### DO'S

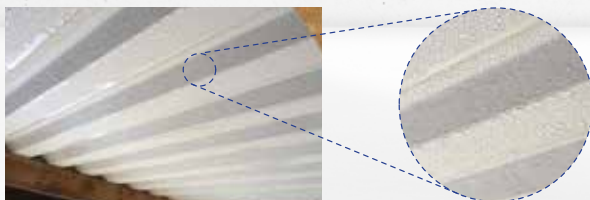
1. Always keep the material in a dry, shaded and good ventilated area.
2. If not required for immediate use, provide cover to protect the material.
3. If the sheets become wet during storage, separate them without delay. Clean the moisture on the surface with a clean cloth. Stack the sheets with gaps between them for air circulation.
4. Always keep the material slightly above the ground by using wooden or rubber plank.

### DONT'S

1. Do not keep the material on wet floor (water, rain, etc.).
2. Moisture or water penetration between the sheets through the wooden pallets can cause damage hence it should be avoided.
3. Do not let the water leak inside the packed coils.
4. Metal-on-metal contact should be avoided whenever possible.
5. Do not let the sheets come in contact with salt, water, corrosive chemicals, ash, fumes, foundries, plating works, kilns, fertilizers and wet or green lumber.
6. Do not slide sheet on rough surface or over each other.
7. Contact with water and mud should be strictly prohibited.

### Disclaimer on Condensation:

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Condensation is the phenomenon of formation of water droplets on the bottom side of any installed metal roofing sheet. It may occur when there is a difference in temperature between air in the building and the sheet, it causes water vapour (moisture) in the air to condense on the inside of the sheet. It is a natural phenomenon and hence no claims will be entertained in this regard. The risk of condensation may be minimized by providing proper ventilation arrangement in the roofs and by using suitable insulation.



# Mark of Ingenuity

All genuine JSW Colouren+ sheets come with special non-erasable liner marking.  
The below liner markings have been created to ensure that you get the original high quality product.

## Non-Erasable Liner Marking

### JSW Colouren+

JSW COLOURON+ X.XX MM AZXXX P DD MM YY (ISI) 15965 BIS APPROVED

(where, P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)

### JSW Colouren+ - High Gloss

JSW COLOURON+ HG X.XX MM AZXXX P DD MM YY (ISI) 15965 BIS APPROVED

(where, P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)

### JSW Colouren+ - High Gloss & Anti-Dust

JSW COLOURON+ HG + AD X.XX MM AZXXX P DD MM YY (ISI) 15965 BIS APPROVED

(where, P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)

### JSW Colouren+ - Cool Roof

JSW COLOURON+ CR X.XX MM AZXXX P DD MM YY (ISI) 15965 BIS APPROVED

(where, P is location code: V - Vasind, T - Tarapur, K - Kalmeshwar, R - Rajpura, I - Indore)

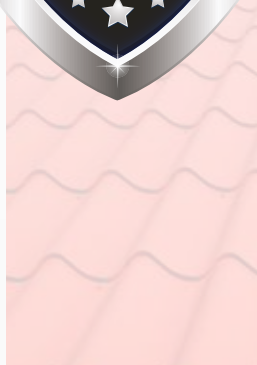
## Watermark Logo

JSW Colouren+ sheets come with a watermark logo authentication. Watermark logo helps to differentiate JSW Colouren+ sheets from other brands.



**JSW Colouon+**  
Premium Colour Coated Roofing Sheets

BEAUTY THAT LASTS  
FOREVER



JSW Centre, Bandra Kurla Complex,  
Bandra (East), Mumbai- 400 051



[www.jswcolouron.in](http://www.jswcolouron.in)

**JSW Steel**