

# above all





Coming together is a beginning; keeping together is progress;  
working together is success.



Thinking of  
Self Supported Roofing?

Think of

**“SPIDER”**

FAST & PERFECT  
EXECUTION HAS  
MADE US MOST  
PREFERRED  
ROOFING COMPANY  
IN INDIA.

if you think of self supported roof it ought to be :

Commitments- *matters*. Experience- *matters*. Expertise- *matters*. Size - *matters*.



## Introduction

We at Nexus Infratech have unfolded the new era in roofing technology. The new age Robust roofing is Notably Safe. Remarkably Durable. Comfortably Installable and Definitely Elegant than the traditional roofing. Now, the roofing of Industrial Sheds, Factories, Warehouses, Airport Hangers, Processing units, Defense & Agriculture Buildings is no more a hassle or a month long Process. Thanks to this new age roofing : SPIDER ROOFING

# spider





roofing material with  
advance technology  
only with spider roof

## Futuristic and Tangible:

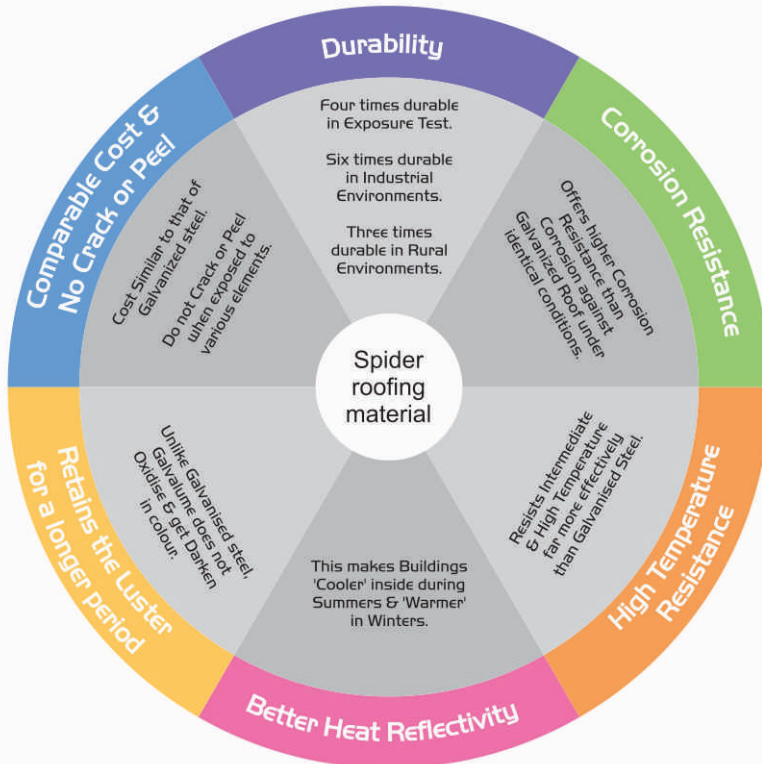
► the new age roofing material | **Galvalume®** |

The Traditional roofs are either from Aluminum or Galvanized sheets. Both these materials have unique characteristics. Galvalume® is a very special alloy of 55% Al & 45% Zinc and have best of both the material. It is non-corrosive & heat resistant and have good forming quality. Spider Roofs are made from Galvalume®.



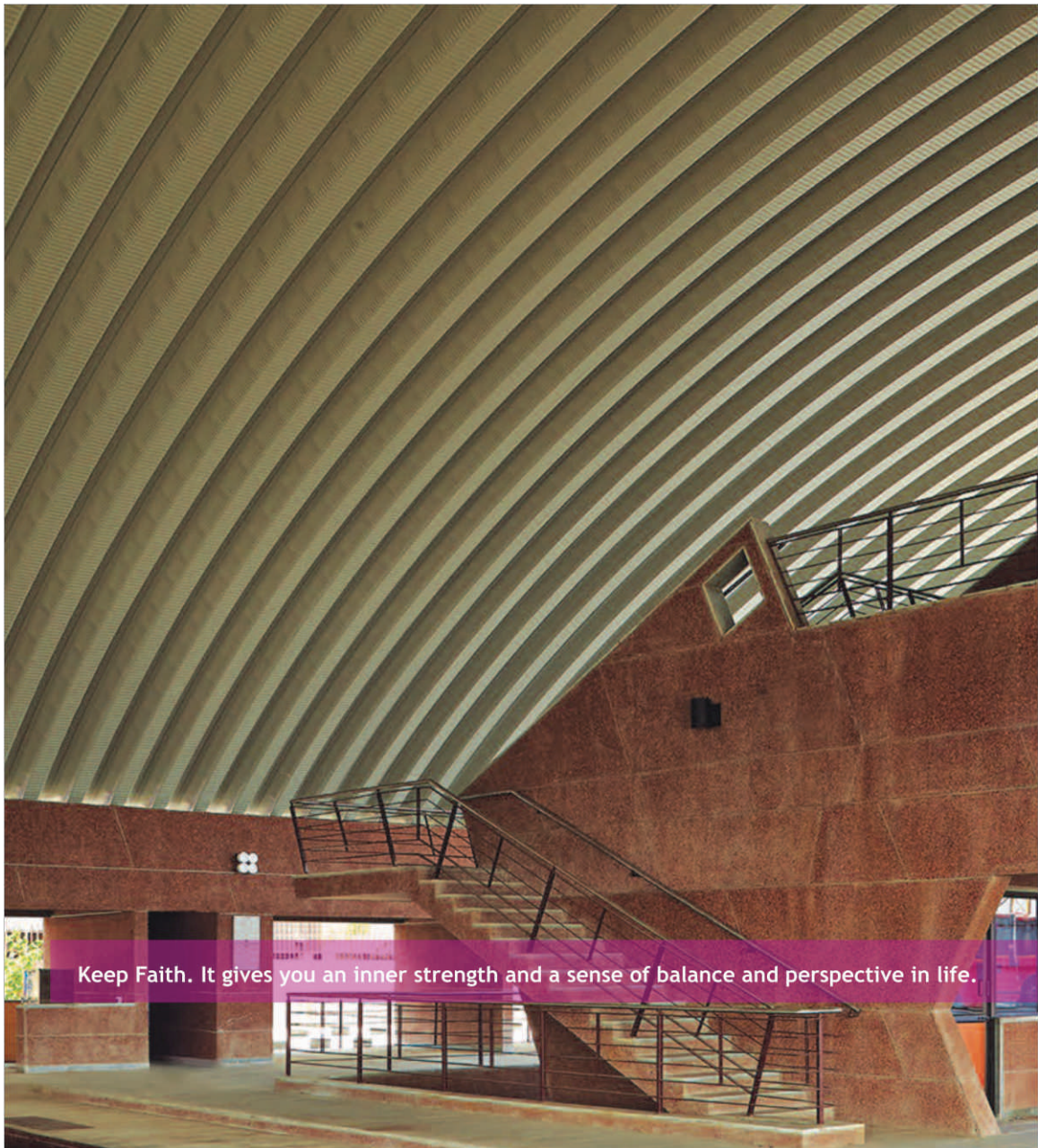
# Know the benefits of:

## | Spider Roofing Material |



The combination of Long-lasting Galvalume sheet and Modern High Performance Paint systems offers **Durable, Versatile, Light Weight, Colourful, Structurally Strong & Economic Roofing.**





Keep Faith. It gives you an inner strength and a sense of balance and perspective in life.



# Advantages of Spider Roof

Girder less - Wide - Clear Span up to 36 Mtrs.

Quick & Easy Installation

Installation of 1000 Sq. mtrs. in just 12 hrs.

Faster Installation enables you to start your Project quicker

Savings in Structural Cost (Truss & Purlins)

Design Freedom & Aesthetic value

Freedom from Bird Infiltration

The depth of corrugation in the steel adds to the Inherent strength

Ability to withstand Live & Dead Load

Higher Corrosion Resistance

Mechanical Inter-locked sheets prevents holes in roof - caused by bolts & nuts

The overlapping and seaming between different sheets prevents from leakage of water and provides Dry Interiors

Zero Maintenance cost

Higher Durability than conventional Roofing.



Wide Span



Maintenance Free



Cost Saving



Interlocking System



Fast Installation



Best After Sales Service



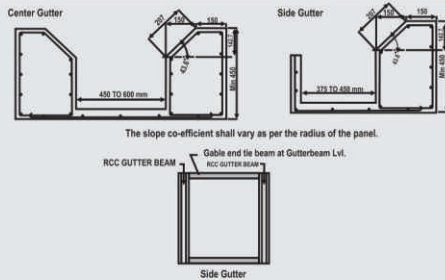
Sturdy & Strong



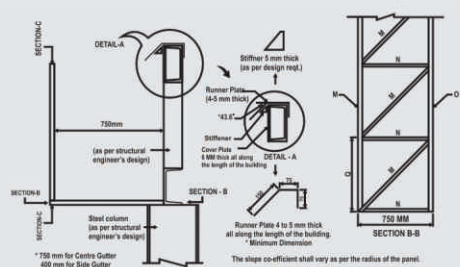
Higher Corrosion Resistance



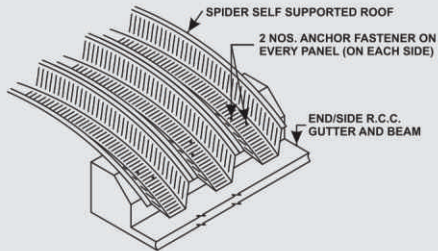
## RECOMMENDED DESIGN FOR RCC GUTTER FOR SPIDER ROOFING



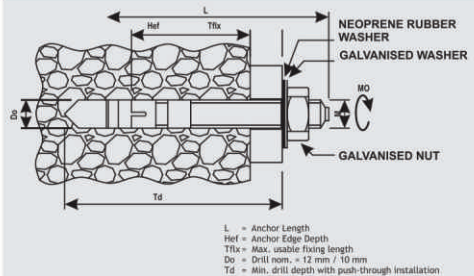
## RECOMMENDED DESIGN FOR M5 GUTTER



## ANCHORING SYSTEM IN SPIDER ROOFING

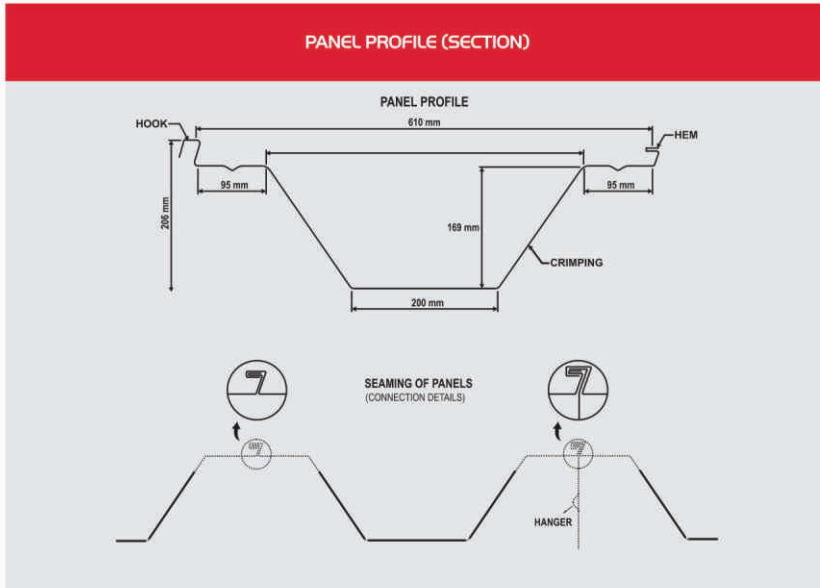


## MECHANICAL WORKING OF ANCHOR FASTENER INSTALLED IN SPIDER ROOFING



OUR TECHNICAL TEAM IS OUR ASSET.  
WE HAVE EXECUTED JOBS IN  
EARTHQUAKE AND CYCLONE PRONE ZONES.

## Technical Package



### Material Specification

**Material :** Aluminium - Zinc Alloy Bare / Colour coated sheets - (Galvalume<sup>®</sup>\* - An Alloy of 55% Aluminium & 43% Zinc)

**Grade :** ASTM A792 Grade D (Yield Strength : 300-350 MPA)

**Colorbond :** XMA 3402 AZM 150 Non Alloy Steel

(Substrate as per ASTM A 792M 340 Class 2. Painted products as per ASTM A 755 M and Coating as per AZM150)

**Thickness :** 0.7-1.6 mm BMT (Base Metal Thickness)

**Colour Coating :** RMP, PVDF, SDP, SMP & HDP coatings

**Coating Grade :** AZ150

(\* - is a trademark of Bluescope Steel Ltd.)





Think Big. Think Fast . Think Ahead.





# spider

## Industries we Cater



AGRICULTURAL WAREHOUSES AIRCRAFT HANGERS AUDITORIUMS  
AUTOMOBILE INDUSTRIES BUS STATION CLEAN ROOMS COLD STORAGE  
DEFENSE SETUPS EDUCATIONAL INSTITUTIONS ENGINEERING INDUSTRIES  
GARAGES GARMENT FACTORIES PARKING AREAS PHARMACEUTICAL UNITS  
RECREATION PARKS RESTAURANTS SHOPPING MALLS SHOWROOMS  
SPORTS STADIUMS SWIMMING POOLS TEXTILE INDUSTRIES WAREHOUSES



# spider

An aerial photograph of a large industrial facility, likely a factory or warehouse. The building features a prominent blue corrugated metal roof with numerous small, golden-colored ventilation caps or skylights spaced evenly across its surface. The building's walls are white with blue horizontal accents. In the background, a dense line of green trees stretches across the horizon under a clear, light blue sky. The word "spider" is overlaid in a large, light gray, sans-serif font across the upper portion of the image.

Never think that you are on top of the world. For those who dream big, sky is the limit.

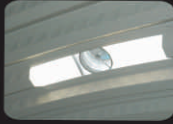








# Accessories:



## Sky Lights:

Sky Lights made from Polycarbonate/FRP Sheets can be fitted on top of the Roofing system to provide sufficient Day light to the interiors.

## Turbo Ventilators:

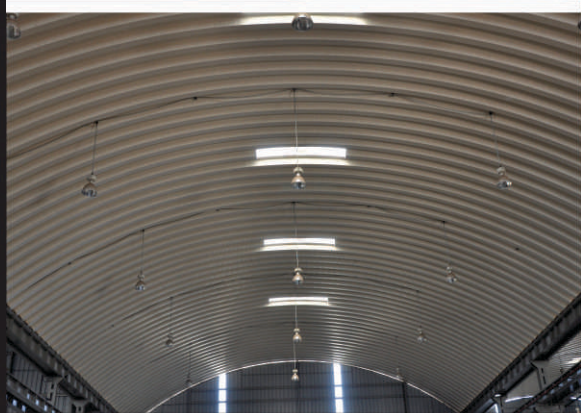
Turbo Ventilators made from Aluminum or Stainless steel run on Wind Energy and provide fresh air to the interiors by removing air, smoke, humidity & gas fumes.

- Virtually Maintenance Free.

- No fire hazard - Absolutely safe.

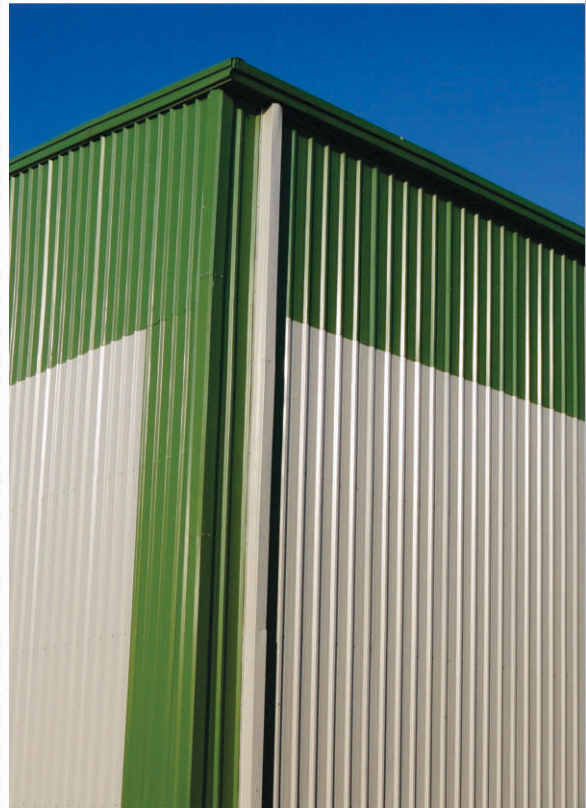
## Hangers:

Hangers can be easily inserted into the Roofing system for suspending Cable Trays, False Ceilings and Lighting Fixtures.



# Pre Engineered Building System

One stop solution for your entire Building requirement | Choice of roof and wall systems | Spider Flush wall panels | Thermal / Acoustic Insulation | Liner panels | Flashings | Integrated accessories | Crane beams | Mezzanine floor



# Advantage SPIDER

## Customized Design Solutions

Our team of technical experts offer you a complete customized solution on studying your requirement. We not only help you in the design of structure but on understanding your need, we also guide you in selection of the most appropriate Building & Roofing system along with accessories.

## Approved International Standards

We manufacture as per latest editions of codes such as IS 800:2007, IS875.

We also follow codes such as

- Low rise buildings system Manual- Metal building manufacturers association- USA
- Manual for Steel Construction, Allowable stress Design- American institute of Steel Construction Inc
- Cold- Formed Steel design Manual- American Iron and Steel Institute

## The SPIDER advantage

- An experienced design - detailing - checking team backed up by meticulous execution team
- Optimized design of steel thereby reducing weight, while meeting all design requirements
- Easy integration of all traditional construction materials such as brick work, glazing, timber, concrete, etc.
- Quality design, manufacturing, erection and installation
- Efficient & Economical building system

## Primary Framing Systems

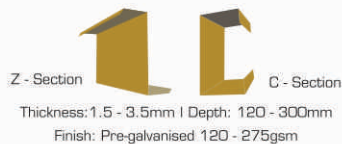
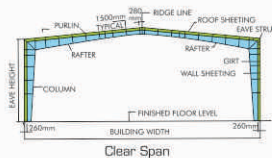
Primary members are movement resisting frames that provide lateral stability and transfer the load from roof & wall to the foundations through bolts.

## Secondary Framing System

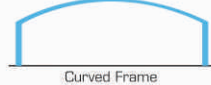
Secondary members consists of cold formed sections like Purlins, Girts and Eave struts. They are cold formed from GI steel that has a minimum yield strength of 345 MPa and conforms to the physical specifications of ASTM A-570 (Grade 50) or equivalent.

## Sheeting Panels

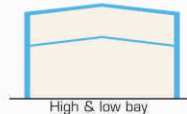
We strongly recommend pre painted Aluminum-Zinc alloy coated sheet with minimum AZ150(150g/m<sup>2</sup> coating mass) as per ASTM A792 for roof and wall sheeting.



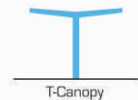
Multi Gable



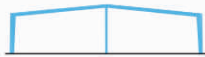
Curved Frame



High & low bay



T-Canopy



Multi - Span



Multi - Span



Lean-To



Single Slope





**Nexus Infratech Pvt. Ltd.**

An ISO 9001:2008 Certified Company

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**BRANCH OFFICES : DELHI-MUMBAI-HYDERABAD-PUNE-RAIPUR**







**Nexus Pharmachem Pvt. Ltd.**  
Mfg. of Bulk Drugs (API)

**Nexus Infratech Pvt. Ltd.**  
Self Supported Roofing System  
Pre Engineered Building System

**Nexus Spray Foam Pvt. Ltd.**  
(Technology Partners - LAPOLLA IND., INC., USA)

