

ABOUT US

IN PRE- ENGINEERED BUILDINGS & STEEL STRUCTURES

UNITECH steel structure this Group was established in 2014, and in 2023 we have established the company **UNITEK** steel structure to cater the Projects.

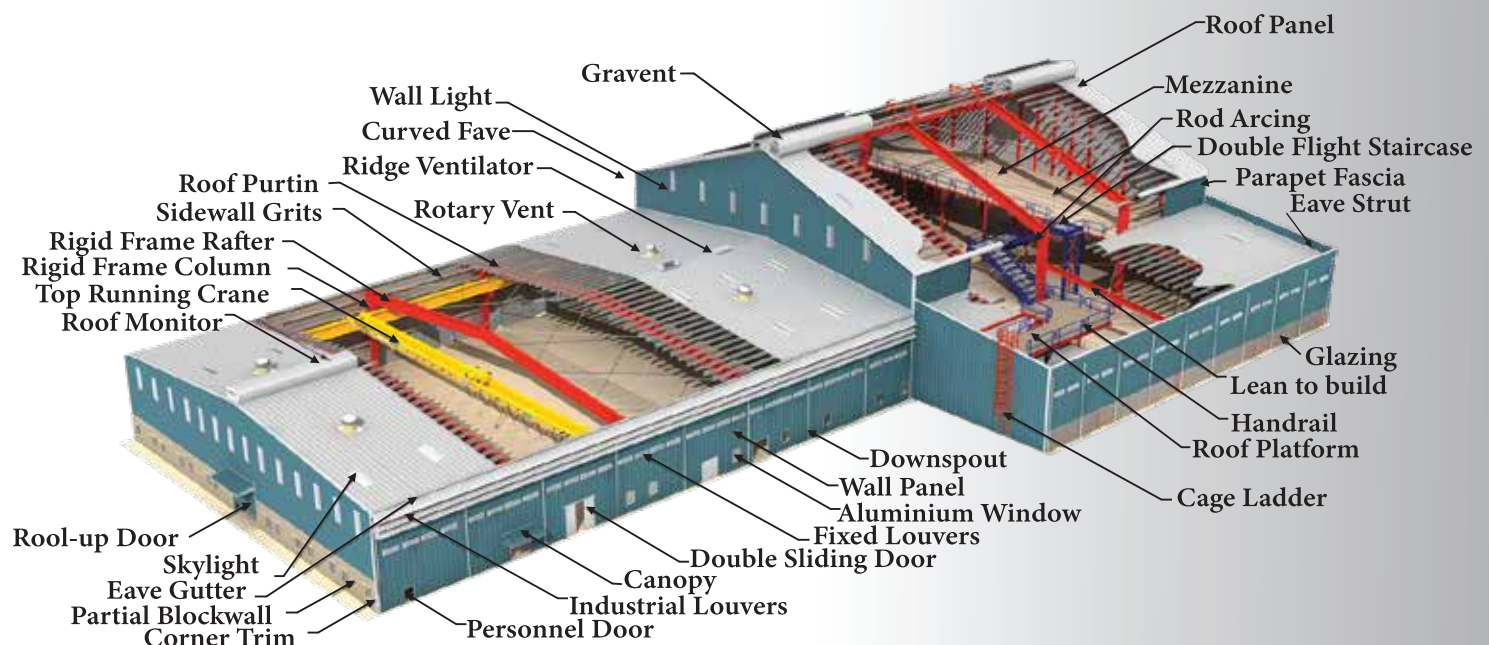
We are a professionally managed company and we are dedicated for our all customers. PEB's are tailor made buildings virtually leakage proof & designed on specific software's like MBS/AutoCAD/ Stadd Pro. PEB's are customized as per the requirements and easily expandable.

We are acknowledged for serving a wide range of customers by sturdy constructions, high tensile strength, easy installation, low

maintenance, dimensional accuracy, excellent performance and longer service life. We have selected a squad of highly knowledgeable and adroit professionals from the industry who always strive hard towards providing the finest quality product range to clients. Our experts stringently inspect the entire production process, right from the procurement of raw materials till the final dispatch at clients end. The products provided by us are tested under the super-vision of our quality controllers and defined parameters to eradicate all the flaws.

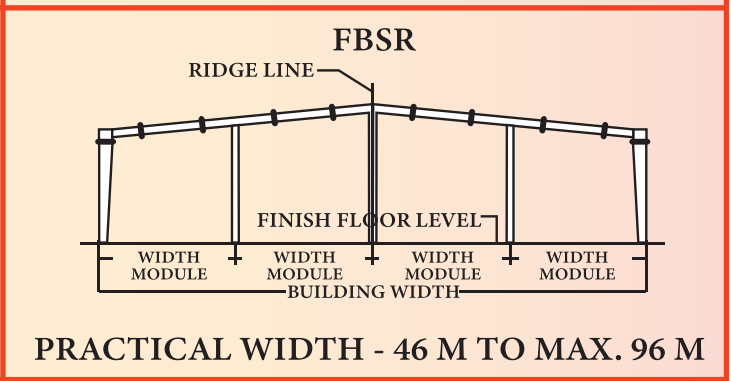
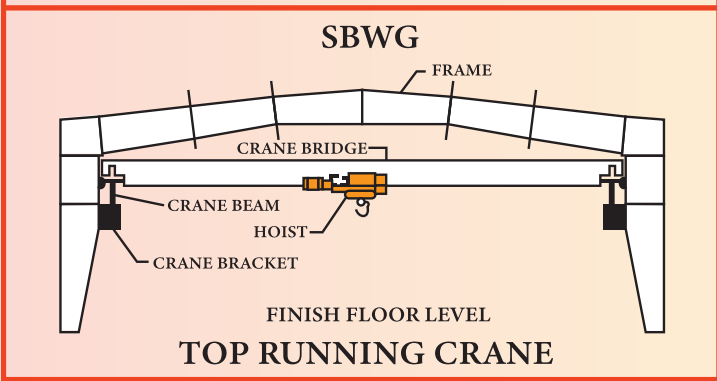
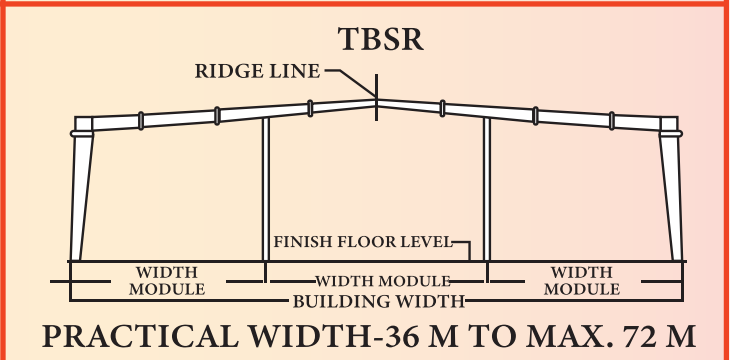
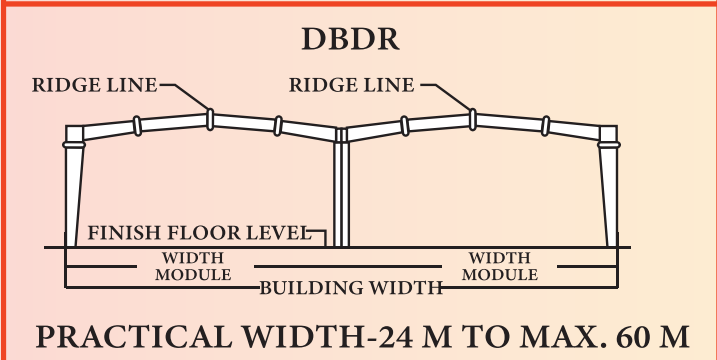
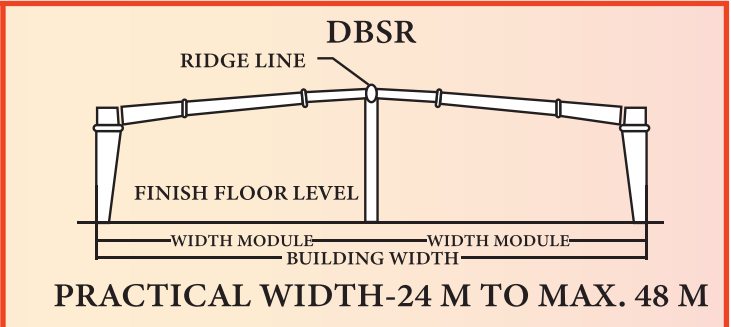
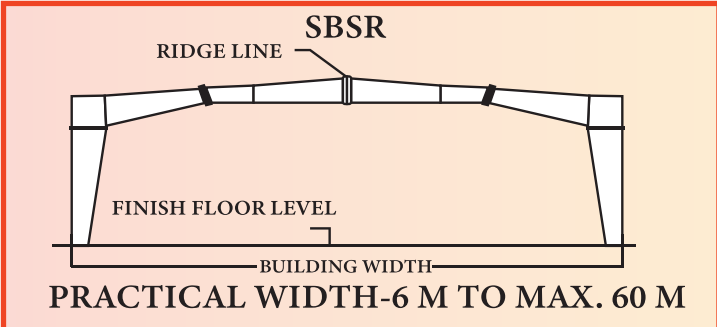
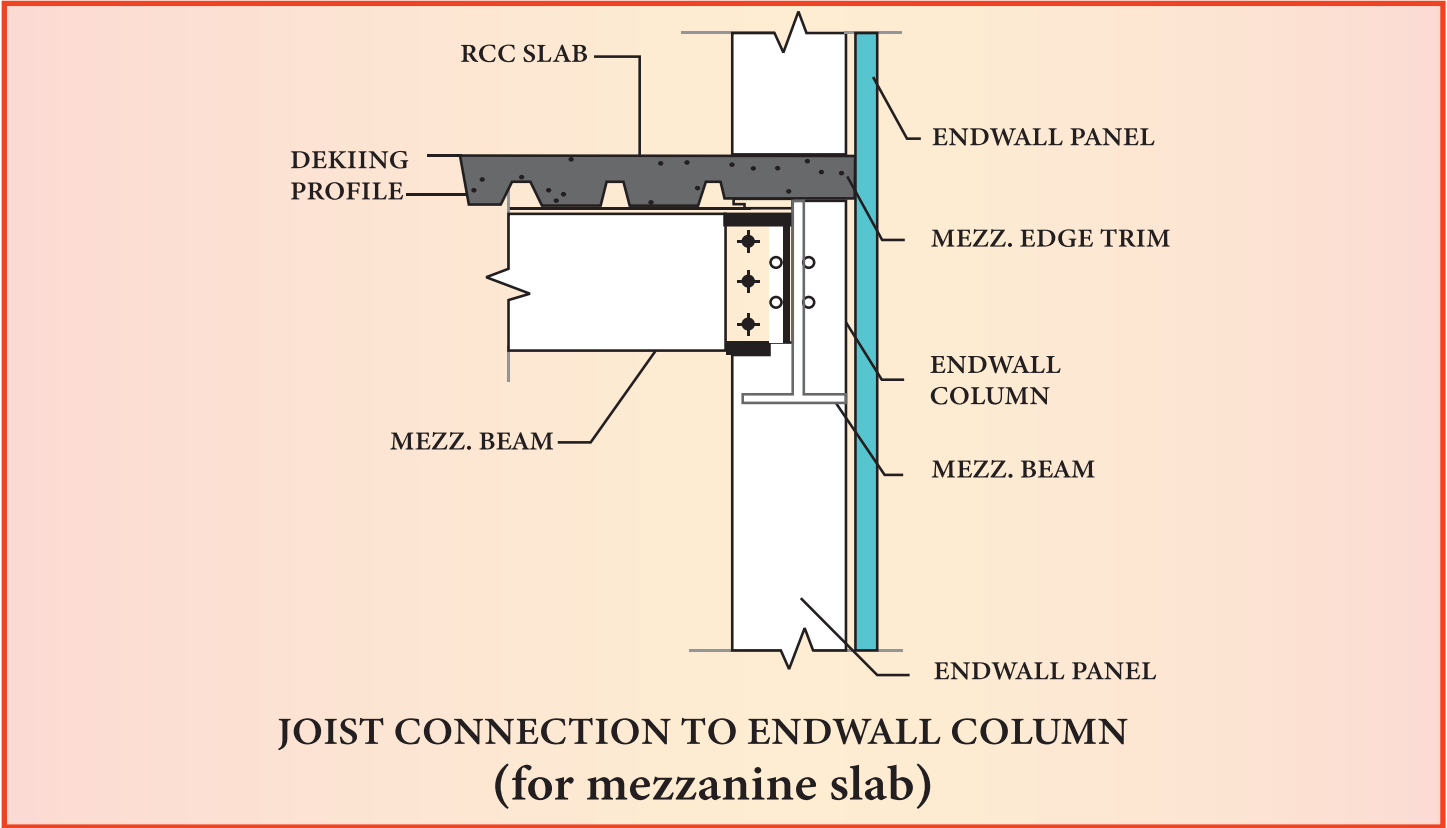


TYPICAL PRE-ENGINEERED STEEL BUILDING :



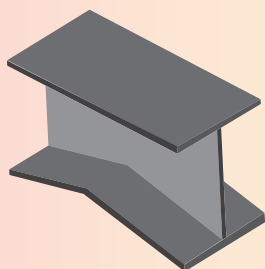
BUILDING TYPES - PRIMARY FRAMING SYSTEM

At **UNITEK**, practically any type of geometric frame can be built. Some of the most commonly used primary framing systems are featured here...

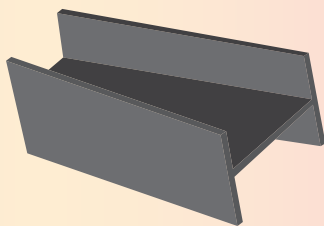


STRUCTURAL COMPONENTS :

TYPICAL RAFTER

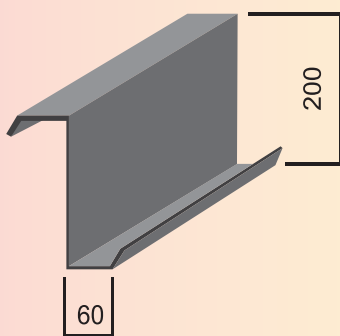


TYPICAL COLUMN

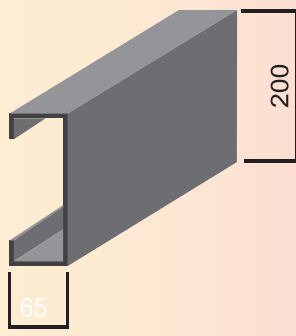


• Primary Built Up Members

Minimum Yield Strength is 34.5 kN/cm² High grade steel plate conforming to IS 2062 Grade 345. Factory painted with a minimum of 35 microns (DFT) of corrosion protection primer.



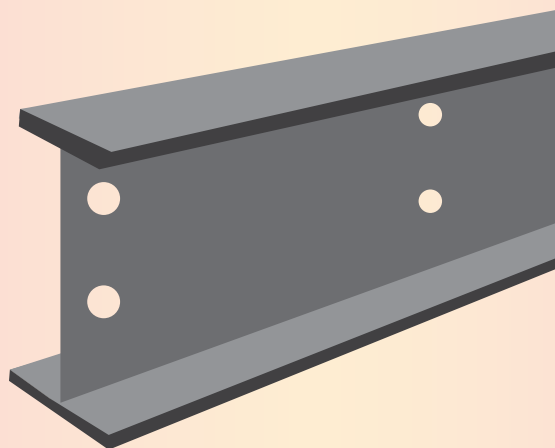
TYPICAL 'Z' SECTION



TYPICAL 'C' SECTION

• Secondary Members

Minimum yield strength is 34.5 kN/cm² High grade steel conforming to IS 2062 or Grade 50 or equivalent, available in 1.5 mm, 1.80 mm, 2.0 mm, 2.25 mm, 2.5 mm and 3.0 mm thickness. Factory painted with a minimum of 35 microns (DFT) of corrosion protection primer, TYPICAL Z SECTION TYPICAL SECTION or pre-galvanized finish.



• Solid I-Beam Construction

For optimum strength Material used is minimum 50,000 psi. yield strength. (Some manufacturers use 35,000 psi... yield strength material, which is not as strong). Frames are single bead, continuous Submerged Arc Welded by automatic welding machines to help ensure quality. A factory applied rust inhibiting primer is used to help protect the mainframes and secondary material during the erection process.

ENDWALL FRAMES AND COLUMNS :

Are either cold formed, hot-rolled or built-up "I" sections depending on design requirements

Every standout creation is the result of the human ability to see things with the mind. Every groundbreaking idea is formed out of the willingness to think differently, to go beyond. Every action is born out of a skill we all possess-imagination.

At **UNITEK**, we think, we imagine, we engineer things with nerves of steel. We pre-engineer to create steel Structures that conform to your requirements. That's what makes us a reckoning power, a pioneering influence in the Pre-engineered Steel Building Industry in India.

EXCELLENCE PRE-BUILT :

At **UNITEK**, excellence is innate, and pioneering, a way of life. A streak we inherited, from our parent, the **UNITEK** is engaged in the design, manufacture, supply and installation of preengineered steel buildings & building components for industries, Chemical plants, Dye cast Industries, ware

buildings, stadium etc., covering a wide spectrum of application areas. Over the last Four decades, The Company's ultra-modern manufacturing facilities located at MIDCRanjangaon & MIDC Supa ensure that progress is seamless and relentless.

THE SYSTEM:

The pre-engineered steel building system in itself offers great advantages to the customer as a more feasible, practical and efficient alternative to conventional buildings. The System has earned acceptance across the world and is gaining rapid ground in India as well

ADVANTAGE & FEATURES:

SOME OF THE DISTINCT ADVANTAGES INCLUDE

- Large Clear Spans
- Quality Control
- Flexibility of Expansion
- Large Clear Spans
- Environment-friendly
- Energy Efficient Roofing and Wall Systems
- Aesthetics
- Single Source Responsibility
- Green Credentials

PEB V/S CONVENTIONAL STEEL BUILDINGS :

	Pre-Engineered Buildings (PEB)	Conventional Steel Buildings
Design	Aesthetically appealing appearance	Special aesthetic design required
Time	Reduced time because of international design standards & codes using standard sections and connections.	Increased design time due to scratch and availability of less design aids.
	Average 6 to 8 weeks	Average 20 to 26 weeks
Foundations	Simple design, easy to construct and light weight.	Extensive, heavy foundations required.
Erection Cost	Both costs & time of erection are minimized. The erection process is easy, fast, step by step and with hardly any requirement for equipments.	Typically, they are 20% more expensive than PEB. In most of the cases, the erection costs and time are not estimated accurately. Erection is slow and extensive field labor is required. Heavy equipment is often needed.
Load capacity	Higher resistance to seismic forces due to low weight flexible frames	Rigid heavy weight structures not suitable for seismic zones
	Span size may be designed up to 60 m	Span size with limitations of beam width may be limited to 10-15 m
	Factory controlled quality	Every project to be fabricated at site
Cost Effective	Lower cost and faster delivery (Cost per Sq.m. about 30% less than conventional)	Special design and features developed for each project at Higher cost
Expansion	PEB Building are designed with future expansion in mind. It is simple, easy and cost effective. One supplier can co-ordinate changes.	Future expansion would be more difficult and, more likely, costlier.
Responsibility	Single responsibility for design, supply and even erection of PEBs.	Multiple responsibilities can result in questions of who is responsible when components do not fit properly

UNITEK part of **UNITEK** which is well known for its quasty Pre-Engineered Building manufacturing, We introduce you state-of-art PEB products systems which includes

WHY CHOOSE UNITECH

Our range of Pre-Engineered Building Products offer quick, convenient readymade building solutions to industrial and domestic needs.

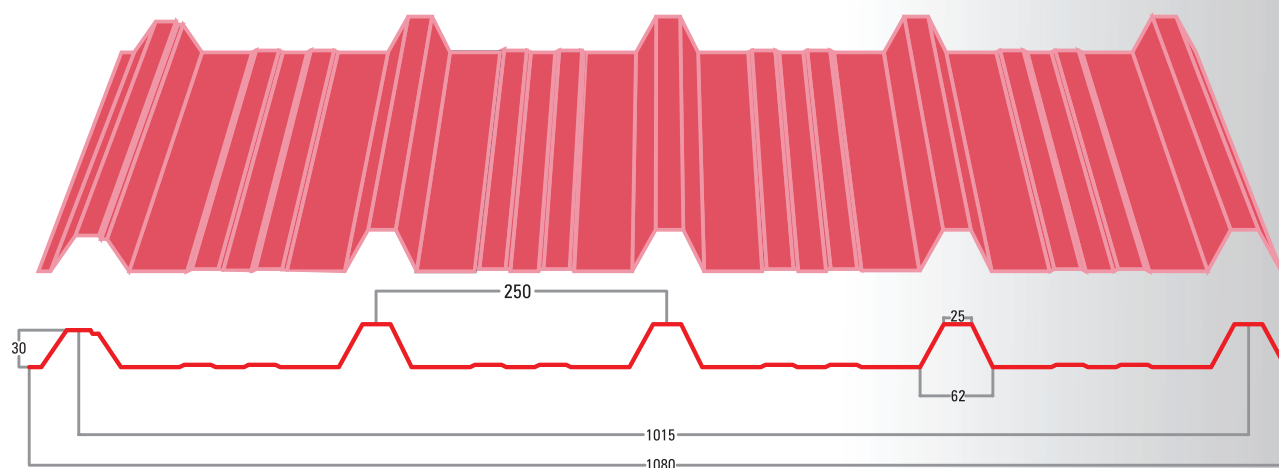
- Convenient and Quick Solutions
- Attractive Colors and Flexible Design
- Resistance to Extremities of Weather
- Economical Products
- Low Maintenance
- Not need to Outsource
- Costomer Satisfication

UNITEK ROOFING SYSTEM (ERS)
UNITEK STANDARD ACCESSORIES FOR PRE ENGINEERED BUILDINGS
 The system assures you its High Quality, unique designs, memporary manufacturing and installation procedures which gives the Steel Structure completeness.

BENEFITS OF UNITEK ROOFING SYSTEM

- Light Weight High Strength Steel Sheet
- High Corrosion Resistance
- Spectrum of Colors
- High temperature resistance
- High Thermal Reflectivity
- Fastest Delivery

TRAPEZOIDAL PROFILE-ER250



Product	Sheet Width	Effective Width	RIB depth	Crest Distance
Trapezoidal Profile	1080 mm	1015 mm	30 mm	250 mm c/c with 2 ribs at the centre for stiffening

Awy roofing installation's performance and urity is deeply affected by the anti-capillary groove that water draining through valleys does not creep into the overlap.

MEZZANINE SYSTEMS:

The standard **UNITEK** Mezzanine system consists of a steel deck supported by joists framed onto main mezzanine beams. The main beams may also be supported by Intermediate columns if dictated by design loads.

The top flange of the joists fits Immediately below the top flange of the primary beams. Appiled floor loads, such as dead, live and collateral loads along with mezzanine column spacing, can affect the economy of a mezzanine system.

MULTY-LEVEL MEZZANINES:

Including features such as interior equipment platforms, catwalks, floor openings and staircases are also available

BUILDING ACCESSORIES:

UNITEK Pre-Engineered Buildings can be designed with your choice of a variety of attractive and architecturally sound accessory options. Windows, doors, natural lighting and ventilation accessories are available to fit almost any of your requirements.

APPLICATIONS/SOME OF OUR PROJECTS :



**Project name - Seinumero Pvt Ltd, Location - Shirwal Midc,
Area - 2500 sqm, Tonnage - 175 MT**



**Project Name - Nifab Pvt Ltd, Location - Ranjangaov Midc
Area - 2100 sqm, Tonnage - 160 MT**



**Project Name - Polyone Polymers India Pvt Ltd
Location - Karegaov Midc, Area - 2150 sqm, Tonnage - 210 MT**

APPLICATIONS/SOME OF OUR PROJECTS :



**Project Name - Sark Roofies Pvt Ltd, Location- Supa Midc,
Area - 2800 Sqm, Tonnage - 121 MT**



**Project name - Amol Aluminum Pvt Ltd, Location - Supa Midc,
Area - 2950 Sqm, Tonnage - 275 MT**



**Project Name - Swami Industry, Location - Supa Midc,
Area - 3150 sqm, Tonnage - 185 MT**

APPLICATIONS/SOME OF OUR PROJECTS :



Project Name - Amol Aluminum 2 Unit Pvt Ltd
Location- Supa Midc Parner, Area - 1350 Sqm, Tonnage - 147 MT



Project Name - Hotel Fun Land, Location - Ahmednagar,
Area - 18705 sqm, Tonnage - 98 MT



Project Name - Arondya Agro, Location - Karjat,
Area - 3280 sqm, Tonnage - 175 MT

APPLICATIONS/SOME OF OUR PROJECTS :



**Project Name - Samarth Automotive, Location- Ranjangaov MIDC,
Area - 300 sqm, Tonnage - 65 MT**



**Project Name - Exide Battery, Location- Wadaki Hadpsar,
Area - 8000 sqm, Tonnage - 475 MT**



**Project Name - Mahindra Warehouse, Location - Pune,
Area - 7890 sqm, Tonnage - 580 MT**

APPLICATIONS/SOME OF OUR PROJECTS :



**Project Name - Auro Pharma Pvt Ltd, Location - Pune,
Area - 1768 sqm, Tonnage - 188 MT**



**Project Name - Dattaktupa Warehouse, Location - Saswad,
Area - 3670 sqm, Tonnage - 370 MT**



**Project Name - Padmtech Pvt Ltd, Location - Newasa MIDC,
Area - 2650 sqm, Tonnage - 290 MT**

APPLICATIONS/SOME OF OUR PROJECTS :



**Project Name - Bajaj Warehouse, Location - Pune,
Area - 2550 sqm, Tonnage - 155 MT**



**Project Name - Wake Fit Innovation Pvt Ltd, Location - Pune,
Area - 3270 sqm, Tonnage - 298 MT**



**Project Name - Future Tools Pvt Ltd, Location- Khed MIDC Shivapur,
Area - 1950 sqm, Tonnage - 190 MT**

APPLICATIONS/SOME OF OUR PROJECTS :



**Project Name - Surya Papers & Boards, Location - Urali Pune,
Area - 3450 sqm, Tonnage - 320 MT**



**Project Name - Ramdevbaba Warehouse, Location - Nashik,
Area - 4350 sqm, Tonnage - 670 MT**



**Project Name - Esbee Pvt Ltd, Location - Pune,
Area - 3650 sqm, Tonnage - 340 MT**

APPLICATIONS/SOME OF OUR PROJECTS :



**Project Name - Adhiraj warehouse, Location - Ranjangaon Midc,
Area - 2250 sqm, Tonnage - 185 MT**



**Project Name - Surya Paper Pvt Ltd, Location- Phursungi MIDC
Area - 3040 sqm, Tonnage - 235 MT**



**Project Name - Kv Box Pvt Ltd, Location- Supa MIDC,
Area - 3560 sqm, Tonnage - 440 MT**

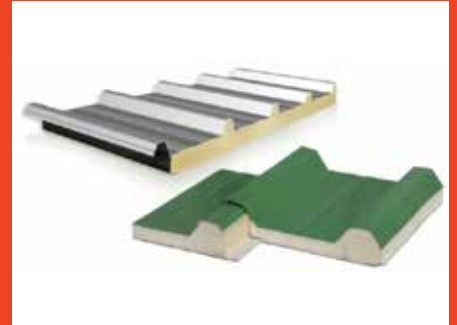
INSULATION MATERIALS



Rock & Glass Wool



Bubble Wrap Insulation



PUF Panel for Roof

SOME OF OUR ESTEEMED CUSTOMERS





Unitek Steel Structure Pvt Ltd

Our Commitment, Your Convenience

**Expert in PEB & Conventional Structural,
Fabrication & Erection Work**

DIRECTOR : SACHIN MUTHE

FACTORY ADDRESS: PLOT NO: D-85/2/A SUPA MIDC, NEAR SANJIVANI

PACKAGING TALUKA: PARNER, DISTRICT-AHMEDNAGAR PIN CODE 414301.

CONTACT: 98 224 16 646

E-MAIL: unitechsteelstructure@gmail.com

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THANK YOU...