



## BLOWN INSULATION SERVICES PVT. LTD.

CIN: U74999BR2017PTC036362



### Supply and Application service:

- Hot & Cold insulation
- Fire proofing of instrument cable tray & duct.
- Fire proofing of steel structure work.
- Scaffolding service.
- ARC, Shutdown work, Maintenance service.
- Global manpower service.

### WIDE SERVICE RANGE OF FILED OF

**HOT & COLD INSULATION  
WORK FOR MECHANICAL,  
ELECTRICAL &  
INSTRUMENTATION  
PROJECTS**



## INTRODUCTION

**Company was started in the year of 2005 as a insulation work labour supplier contractor with the name of M/S Rajesh Singh in IOCL Panipat Refinery where we work with more than 50 no's of manpower.**

Then in 2014 we started taking over full insulation application job in the field of oil & gas. First job we started as a installation contractor was OMPAL-MRPL site at Mangalore with L&T Hydrocarbon Engineering Limited. Where we achieve the tight target with in 5 month. The value of work done was approx. 25 Lacks

Now company convert as private limited firm with the name of Blown Insulation Services Pvt. Ltd. Which registered as a private Limited firm on 24 November 2017.

We provide a wide service range of in the field of Hot & Cold Insulation work for Mechanical, Electrical & Instrumentation Projects and Maintenance. We are capable to achieve any target with the help of our proud able professional, self motivated, confident team members. **We gave our satisfactory services for India's biggest PSU's, MNC i.e. BPCL, IOCL, HPCL, EIL, NTPC, L&T, TechnipFMC, OIL, MMTCL, ONSHORE, ISGEC etc.**

## SERVICES

All Type of Hot & Cold Insulations supply and Application services For Piping, equipment tank and vessel in Mechanical Project.

## WORK STRATEGY

To Be a Leader In The Advanced Hot & Cold Insulations Field With Satisfactory Performance

## VISION & MISSION

**Focusing and serve costumer satisfactory services at all time. Providing world class services with trained and experienced professional. continuous improvement in quality services.**

## VALUE

**Providing customised solutions to costumer's need in the ethical manner**

## SERVICES

**Hot & Cold insulation, Material supply and Application company**

## WHAT IS INSULATION

**Insulation is non conductive state of any material, which restricts heat loss by conduction and radiation in a Mechanical System. By apply Insulation, thermal losses ( Hot & Cold ) can be reduced, also it improves the efficiency of the equipments and reduces the energy cost of the system.**

**Thermal Insulation**  
**Waterproof Insulation**  
**Environment Friendly**  
**Insulation**

**Engineering procurement**  
**Construction**

**Specialist in all kinds of**  
**Thermal Insulation**

**Material Suppliers &**  
**Applicators**



## **BUSINESS GOALS & OBJECTIVES**

Ensuring that all personnel understand the policy and conform to defined procedures, requiring all personnel to be responsible for the quality of their actions and ensure that the services provided, or supplied, conform to the relevant quality standards.

Regular assessment of training requirements with regards to all personnel in order to achieve continuous quality improvement. Ensuring the continued effectiveness of the quality implementation of appropriate corrective action monitoring the effectiveness of the system by reviewers.

**All employees are required to be aware of the quality system, quality policy, safety management and adhere to the procedures and work instructions noted there in at all times.**





## WHY US

We are a team of young dynamic results oriented experienced Professional catering to the diverse requirements of Insulation projects in various segments.

Our excellent and services maintaining a highest level of quality policy make us a preferred choice of client.

Ethical business practices skill to undertake turnkey projects.

Team of hard working professional's entire process is auditable.

Strong reporting and escalation metrics in place ensuring quality policy in our services.



## Tools & Tackles

HOT & COLD INSULATION

FIRE PROOFING OF INSTRUMENT CABLE TRAY & DUCT

FIRE PROOFING OF STEEL STRUCTURE WORK

SCAFFOLDING SERVICE

ARC, SHUTDOWN WORK, MAINTENANCE SERVICE

GLOBAL MANPOWER SERVICE





## HOT INSULATION

Application of Mineral wool matts., Glass wool matts., Resin bonded Mineral wool L.R.B matts/slabs with over Pipelines, Vessels, Tanks, Reactors, Column, Chimney, Stacks, Spheres, Ducts etc. with **appropriate density and thickness of the Insulation**

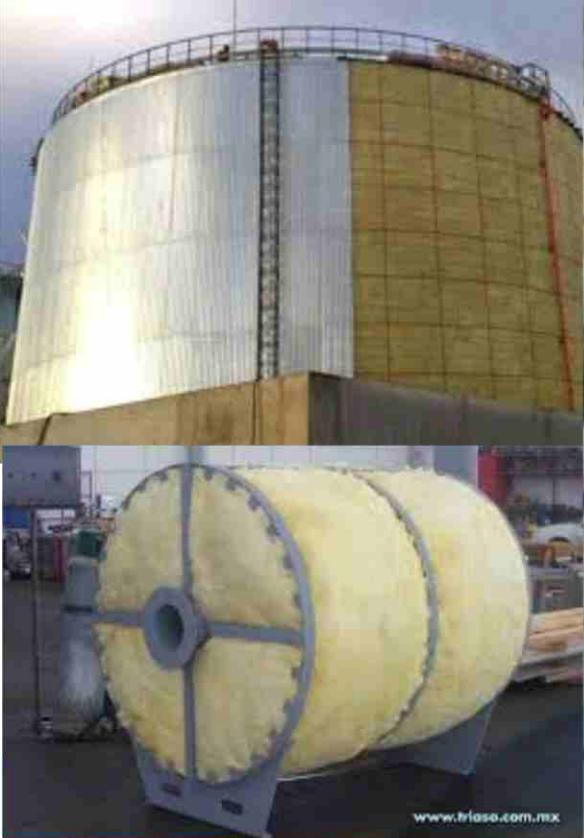


**The Insulation is required for environment temp. exceeding 600C. The type of Insulation comes under Hot Insulation. The materials required and generally applied for the Hot Insulation are as under:**

Unbonded Glass wool with Handmade Mattresses Upto 400 0C.  
Unbonded Mineral wool with Handmade Mattresses Upto 500 0C.  
Lightly Resin Bonded (LRB) Rockwool Mattresses with Wirenetting Upto 550 0C.

**Calcium Silicate Powder / Slabs:** Upto 800 0C.  
**Ceramic Fiber Blankets:** Upto 1000 0C.



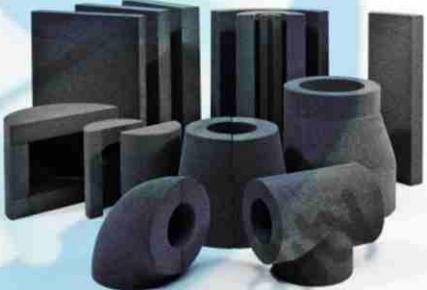


OFFERING YOU A COMPLETE CHOICE OF PRODUCTS WHICH INCLUDE

## HOT INSULATION MATERIAL SERVICE

### FOAM GLASS / CELLULAR GLASS

**Density** : +/-115 kg/m<sup>3</sup>  
**Standard** : ASTM C552  
**Temperature Range** : -450F (-268C) to 900F (482C)  
**Special Requirement** : Antiabrasive, Bitumen, asphalt coating etc. Fiber CFC and HCFC Free



### MINERAL WOOL

**Density:** 60kg/m<sup>3</sup> -150kg/m<sup>3</sup>  
**Standard:** ASTM C547, IS 9842  
**Working Temperature Range:** Upto 740C  
**Leachable Chloride Content:** Less than 10ppm, ASTM C871 & ASTM 692  
**Fire safety performance:** IS 3144, BS 476 (Part4), ISO 1182 and ASTM E136  
**Acoustic Performance:** Tested in accordance to ASTM C423  
**Facing:** Unfaced or with facing of glass reinforced Aluminum Foil (ALG) for Scrim kraft (FSK), Black Fiber Glass Tissue (BGT)



### FIBERGLASS/GLASS WOOL

**Density** : 12kg/m-65kg/m  
**Standard** : BS 2972, BS 476  
**Temperature** : -195-230c  
**Thickness** : 25mm-100mm  
**Facing** : FSK, Aluglass, Black Glass Fabric



# HOT INSULATION MATERIAL SERVICE

## CERAMIC FIBER

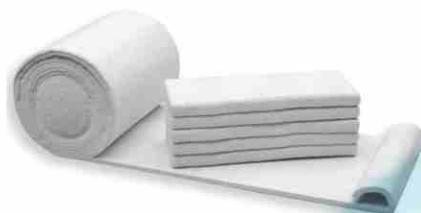
Density : 64kg/m<sup>3</sup> - 120kg/m<sup>3</sup>

Standard : ASTM C177, ASTM 686

Temperature : Upto 1260C

Thickness : 0.5-2(inch)

Strong, lightweight, flexible needled blanket made from spun ceramic fibers for various high temperature applications.



## CELLULOSE AEROGEL/PYROGEL

Density : 12.5 lb/ft<sup>3</sup>

Standard : ASTM C1728,

Type III, 1A

Temperature : Upto 650C

Thickness : 5mm and 10mm



## ARMAFLEX

Density : 50kg/m<sup>3</sup>-65kg/m<sup>3</sup>

Standard : ASTM C177, ASTM C518

Temperature : -50-150c

Thickness (Tubes) : 13mm, 19mm, 25mm

Thickness (Sheets): 10mm, 13mm, 19mm, 25mm



## PERLITE & CALCIUM SILICATE

Density : 220kg/m<sup>3</sup>

Standard : ASTM C533, ASTM C610,  
ASTM C165, ASTM C177

Temperature : Upto 650C

Thickness : 25mm-100mm



ROCK WOOL & PIPE SECTION

CERAMIC FIBER

CALCIUM SILICATE



FIBER GLASS

PERLITE

AEROGEL

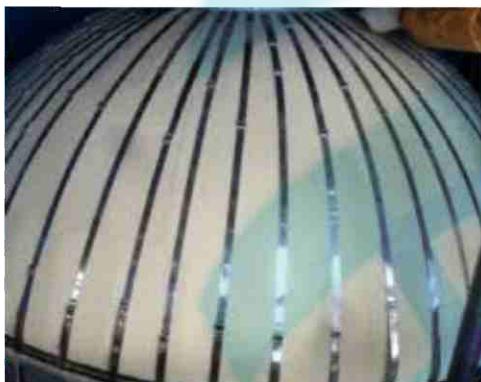
## BENEFITS OF INSULATION

- Conservation of Energy by Reducing Heat Loss or Gain.
- Controlled Surface Temperatures for Personnel Protection and Comfort
- Facilitates Process Temperature Control.
- Prevents Condensation on Cold Surfaces.
- Prevents or Reduces Damage to Equipment from Exposure to Fire or Corrosive Atmosphere.
- Control Noise.

# COLD INSULATION



Application of Expanded Polystyrene (**Thermocole**) and PUF in slabs form as well as pre-formed pipe section from over **pipelines, vessels, reactors, tanks, condensers ducting** etc. with PU Insitu System for **various density and thickness of the material.**



The Insulation is required for environment temp. below ambient The type of Insulation comes under Cold Insulation.

The materials required and generally applied for the Cold Insulation are as under: The Insulation can also be done by machine, providing cavity of the required thickness and dispensing the PU Chemicals in defined proportion through dispensing machine where the isothermal reaction takes place and foam is formed. The job can be done at site and the process is called as Pouring In-Situ.

**Thermocole:** Both in ND and TF quality Upto -20 0C.

**Polyurethane Foam :** Upto - 200 0C.

**Phenolic Foam :** Upto - 180 0C.

**Nitrile Rubber :** Upto - 200 0C

It will be interesting to note that the above material can be applied in Block and Pipe Sections by Manual Application process.



# COLD INSULATION MATERIAL SERVICE

OFFERING YOU A COMPLETE CHOICE OF PRODUCTS WHICH INCLUDE

## POLYURETHANE (PU) / POLYISOCYANURATE (PIR)

### Low Thermal Conductivity

The thermal conductivity rating of corafoam rigid polyurethane /polyisocyanurate foams(PIR/PUR) is the lowest value among expanded materials for insulation.

### Strength

Corafoam Polyurethanes and polyisocyanurates provide the best balance of physical mechanical properties and density.

### Range of Service Temperatures

Rigid PIR/PUR foams are suitable for applications in a wide range of temperatures from extreme cryogenics (-200C/-328F) upto hot water (+120C/+248F); some materials can even withstand +205C(+400F)



Density	: 55kg to 60kg
Standard	: ASTM C591, ASTM C585, ASTM C755, ASTM C450
Facing	: Plain, Aluminum Foil, Mylar Foil
Density	: 80kg to 800kg (high)

Corafoam- product of duna italy

## PHENOLIC

The Superior insulation foam

Cost effective because lower thermal conductivity facilitates usage of lesser thickness of highly company reputed foam for the same level of insulation. A wide service temperature range between -196C to +130C makes highly company reputed foam ideal for low temperature and cryogenic applications. It can be effectively used on LSHS, fuel oil and low pressure steam and hot water lines.

**Density** : 35kg/m<sup>3</sup> - 60kg/m<sup>3</sup>

**Standard** : ASTM C1126

**Facing** : Plain, Aluminum Foil, Mylar Foil ( 12/25/12 and 25/50/25)

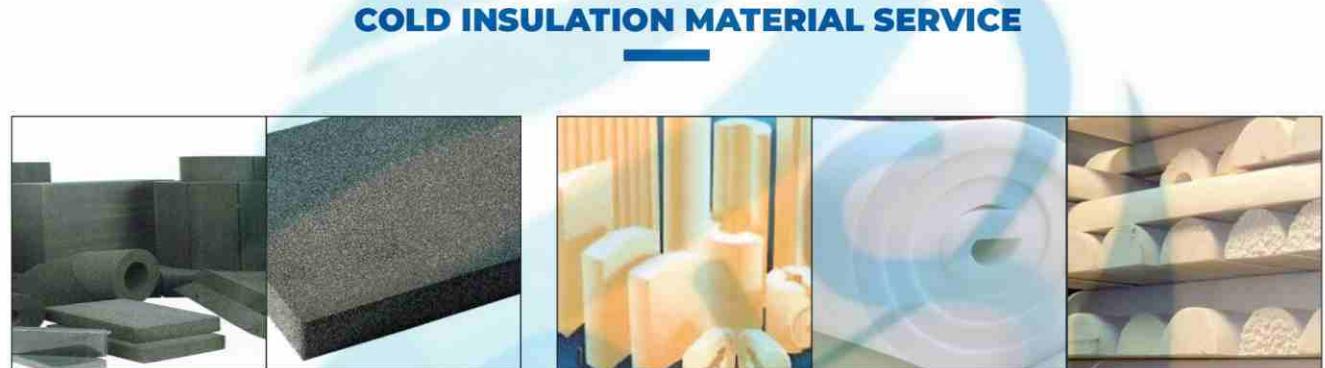


# INSULATION MATERIALS

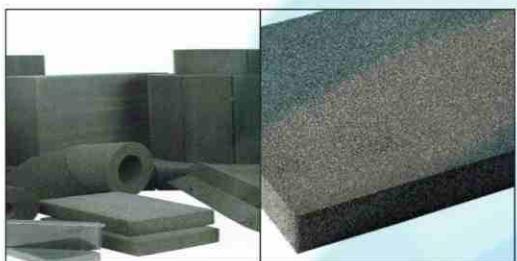
## Matic III CNC profile

Saw is the third generation of ESCO's Highly popular and successful line abrasive wire contour cutting machine to fabricate

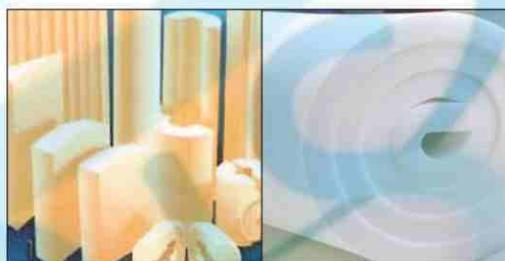
- PIPE SECTIONAL
- SLABS
- GROOVED SECTIONAL
- CURVED SEGMENTS
- PIPE SUPPORT
- TEE SECTIONAL



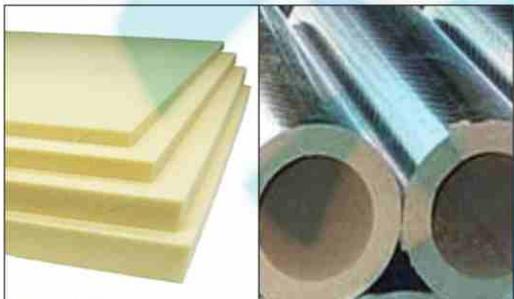
## COLD INSULATION MATERIAL SERVICE



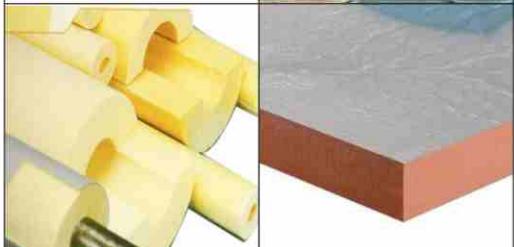
CELLULAR GLASS



POLYPROPYLENE & POLYURETHANE



POLYPROPYLENE



PHENOLIC FOAM

NITRILE RUBBER SHEET & PIPE SECTION



IN-SITU FOAMING PRODUCT

# CLADDING WORK

We have associated with several clients for the cladding works with plain/perforated / profile type metallic materials such as Aluminum alloys, Galvanized Iron, Coated steel sheets, Stainless steel sheets and non metallic materials like Ulva Shield, Arma-chek, UV Curded FRP, GRP, Coated cloths, etc.

- Fire walls
- Bulkheads and deck heads
- Insulated pipes and fittings

- Insulated Pumps and manifolds
- Insulated tanks, vessels & equipments

- Perforated cladding in engine rooms, generator enclosures etc.



Aluminum plain sheet



Aluminum Polysurlyn sheet



Aluminum PolyKraft sheet



G.I plain sheet.



Aluminum corrugated sheet



Colored painted sheet.



Aluminum Foil.



Acoustical Barrier Lead sheet



# CLADDING & METAL JACKETING

## STAINLESS STEEL COIL/SHEETS

**Grade** : SS304, SS304L, Ss316, SS316L

**Surface Finishes** : 2B, 2D, BA, No.1, No.4, No.8, 8k, Mirror, Checkered, Stucc Embossed, Cross Crimp, Corrugation, etc.

**Thickness** : 0.25mm to 3mm Width: 914mm to 2000mm



## ALUMINIUM COIL/SHEETS

**Grade** : 1100, 1050, 1060, 3003, 5005

**Hardness** : H12, H14, H16, H18

**Surface Finishes**: 2B, 2D, BA, No.1, No.4, No.8, 8k, Mirror, Checkered, Stucco Embossed, Cross Crimp, Corrugation etc.

**Standard** : ASTM B-209

**Width** : 914mm, 1000mm, 1220mm

**Thickness** : 0.25mm to 3mm

**Width** : 914mm to 2000mm

## ALUMINIZED STEEL COILS

**Grade** : Type1, Type2

**Standard** : ASTM A463

**T2** : Commercially Pure Aluminium (300g/m<sup>2</sup> both sides)

**T1** : Aluminium with Silicon (240-270g/m<sup>2</sup> on both sides)

**Surface finish** : Plain, Painted

**Formability** : Corrugated, Roll Formed

**Thickness**: 0.5mm to 1.5mm

**Width**: 1000mm/1219mm

**Application**: Fire Resistance, Insulation Jacketing



## ALUZINC COIL /SHEETS

**Grades**: D, DD, LHQ & Skin Passed

**Standard**: EN10142, EN10143, ASTM A653/ASTM

**Aluzinc Coating**: Az40 to Az200 GSM

**Thickness**: 0.145mm to 1.2mm

**Surface** : Chromated and dry with regular/minimized spangles

**Colour** : As per Ral Specification/Customer Requisition

## PRE-PAINTED /GALVANIZED COILS

**Grades**: Full Hard, CQ, D/DD/LFQ & Structural

**Standard**: Is277, JIS G 3302, ASTM A653, AS 1376,

En10142, En10147, DIN17162 and ES C.D7.001

**Thickness**: 0.2mm to 2.00mm

**Width** : 914mm to 1500mm

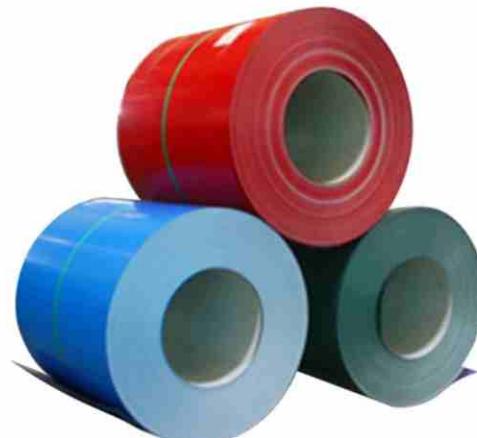
**Paint Specification**:

**Primer** : Epoxy

**Top Coat**: RMP, SMP, PVDF, SDP

**Backer Coat**: EPOXY

**Colour**: As per RAL Specification/ Customer Requisition



# INSULATION MATERIAL BRIEFING

## ACCESSORY WORK



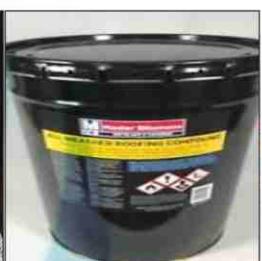
BAND & SEALS



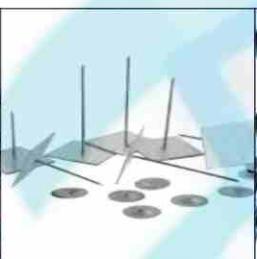
EXPANSION, MITY SPRINGS & TOGGLE CLIP



BLIND RIVETS & SCREWS WASHER



VAPOR BARRIERS & GLASS CLOTH

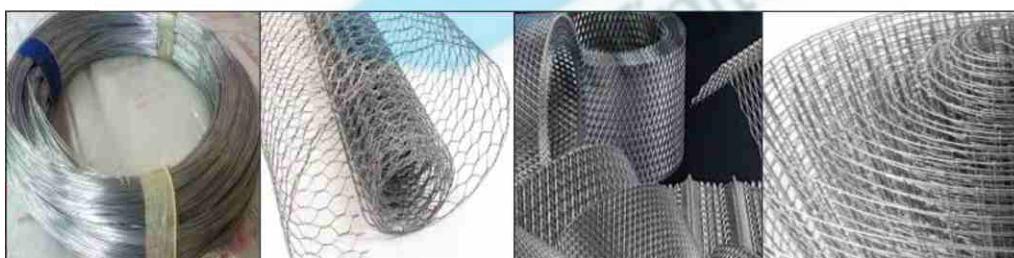


SELF- ADHESIVE INSULATION HANGERS, BOLT, NUTS& WASHERS



ADHESIVES, MASTIC SEALANTS

BITUMIN PENT



TIE WIRE & WIRE MESH



TARFELT

FSK TAPE



# Industrial and commercial **SCAFFOLDING** SERVICES

Secure foundations  
for sky high ambitions  
with scaffolding  
solutions

From turnkey industrial scaffolding services to materials-only rentals, Apache designs and delivers comprehensive and integrated scaffolding services throughout the entire project lifecycle. We maintain the best material availability in the industry, and are always identifying opportunities to improve quality, enhance safety protocols, and optimize costs. With our scaffolding fleets strategically located to service all major industries across the United States, we can quickly meet service requests, expedite material delivery, and react to issues or emergencies in a manner that other companies cannot. With our commitment to safety, quality, and excellence at the forefront of everything we do, we minimize your liability by guaranteeing your worksite is accessible, secure, safe, and productive.



## TYPE OF SCAFFOLDINGS WHICH WE OFFER

- Cuplock Scaffolding
- Tubular Scaffolding
- Ringlock Scaffolding
- H Frame Scaffolding



# STEEL SCAFFOLDING PRODUCT LIST



## Tower (Customized)

As a top manufacturer and supplier of scaffolding materials, We offer best quality of scaffolding tower at best price with time frame shipping facilities country wide. We also offer special training and precautions required for this product to avoid danger.



## H Frame

Scaffolding, also called scaffold or staging, is a temporary structure used to support a work crew ..... Bamboo Scaffolding was first introduced into the building industry in Hong Kong immediately after colonization in the 1800s. It was widely used ...



## Cuplock Ledger/Horizontal

In scaffolding system cuplock Ledger is a horizontal parts of scaffolding and we as a top manufacture and supplier of Cuplock Ledger, have complete range of Cuplock Ledger including horizontal cuplock, vertical cuplock, cuplock cantilever and many more.

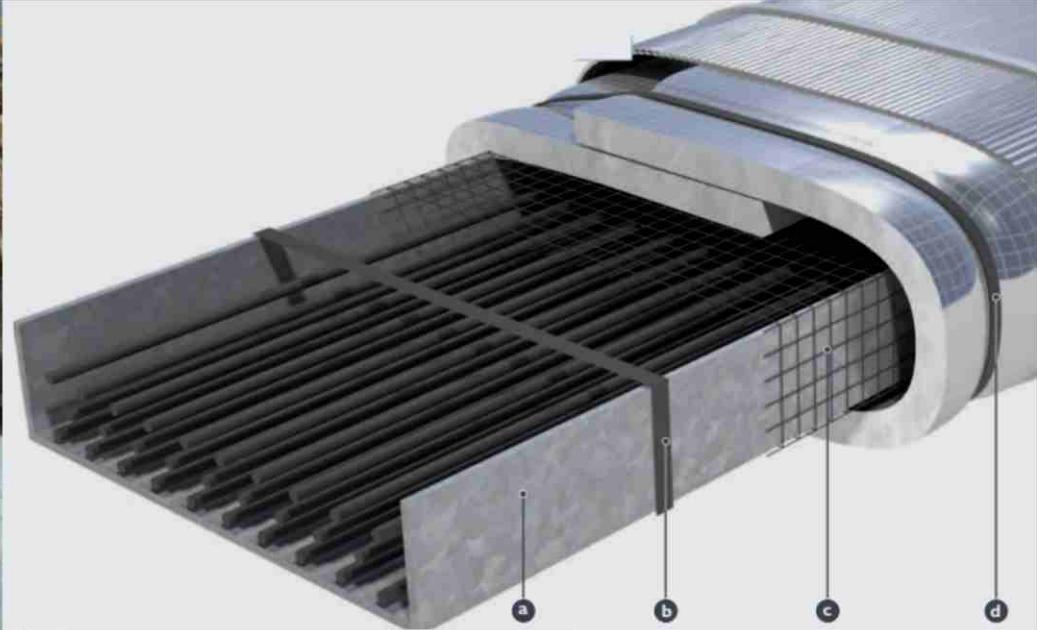
## Cuplock Ledger/Horizontal>Cuplock Vertical

Vertical Cuplock refers to the vertical elements of the scaffold system, which are made of high yield steel with a diameter of 48.3mm and a wall thickness of 3.2mm. We offer a complete range of Cuplock Vertical, including horizontal cuplock, vertical cuplock, cuplock cantilever, and many more, as a leading manufacturer and supplier of Cuplock Vertical.



## Advantage of Steel Scaffolding

- For safe and secure scaffolding . A number of different materials are use like timber, steel and aluminium but Steel is the right choice due to following reason.
- It is strongest and most durable scaffolding materials which provide a stable and safe working scaffold.
- It hold the more load and pressure during construction work.
- Steel Scaffold have longer lifespan compare to other scaffold
- Steel Scaffoldins are easier to assemble and takes less time to install.
- Steel scaffolding is the right choice for any construction work (bigger or small Construction work ) without any limitations.
- Steel Scaffoldings are more environment friendly



## Fire proofing of instrument cable tray & duct.

**Instrument cable tray fire protection  
30 minute hydrocarbon fire protection**

**products insulate cable trays carrying instrument control cables to ensure that the cables can operate long enough to allow process shut down during fires.**

cable tray wrap consists of Marine Plus blanket fully encapsulated in aluminium foil supplied and in a roll form. It is wrapped around the exterior of the cable tray and held in place with steel banding straps. Additional weather protection can be installed if required using corrugated aluminium sheeting

It can be installed in one single layer which means installation time is quick and the wrap can be easily removed from the cable tray if retrofitting of cables is required.



# MANPOWER SUPPLY



## MISSION

Manpower is playing a significant role in shaping the contemporary working landscape, enabling individuals and organizations to operate more effectively and lead improved lifestyles.

## VISION

Our organization spearheads the development and provision of solutions that empower our clients to emerge triumphant in the dynamic landscape of the modern workforce.

We are providing manpower ranging from unskilled to semi-skilled to skilled to high skilled workers and temporary and permanent staff to clients from across diverse industries. Our team of recruitment experts work tirelessly to ensure that we are able to match the right candidates with the right job opportunities. We believe that everyone deserves a chance to showcase their skills and abilities, regardless of their background or experience level.



We believe that by fostering a culture of diversity and respect, we can help build stronger, more successful businesses and communities.



Whether you are a company seeking to fill a temporary position or a permanent role, or an individual looking for your next career move, we are here to help. Our extensive network of contacts and resources allows us to provide customized solutions that meet the unique needs of each client.

At our core, we are committed to providing a positive and inclusive experience for everyone we work with. We believe that by fostering a culture of diversity and respect, we can help build stronger, more successful businesses and communities. So whether you need a few extra hands on deck or are looking to take the next step in your career, we are here to support you every step of the way



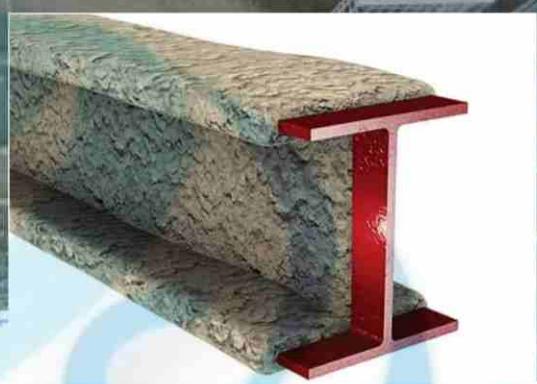
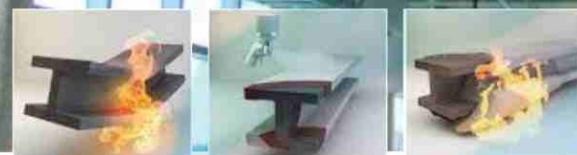
#### CIVIL SERVICES:

- Permit Holder
- Mason
- Steel Fixer
- Scaffolder
- Carpenter
- Rigger / Banksman
- Painter
- Electrical Services:
- Electrician
- Mechanical Services:
- Permit Holder
- Welder
- Fabricator
- Pipe Fitter
- Plumber
- Insulator
- Dutchman
- Helpers:
- General Helper
- Cleaner

we take pride in providing reliable and skilled manpower services across various industries. Our team of professionals is trained and experienced in their respective fields, ensuring top-notch quality and efficiency in every project we undertake.



# STRUCTURE PROOFING



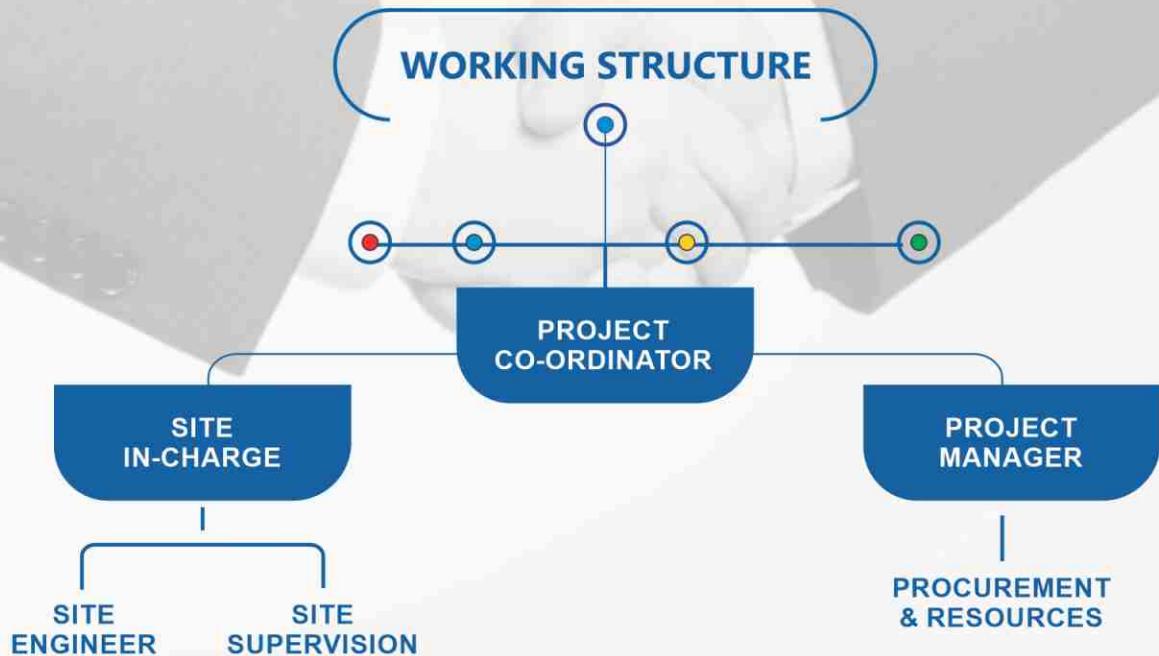
**INTUMESCENT / CEMENTITIOUS /  
PENETRATION SEALS / SEALANT / MASTICS  
& COATINGS / BOARDS / SHEETS / BLANKET  
(WRAPS) / PILLOWS, ETC.**

Our execution teams are familiar with products like prompt PFP products, STL, International Paints, PPG, Isotherm, AVI, Hilti, etc,

which stands for quality, consistency and technical support in our operation sector. Our team, qualified and highly experienced engineers who have undergone extensive training to satisfy every technical requirement our clients, supported by a team of skilled technicians who ensure proper execution of our projects



WE OFFER YOU THE **BEST SERVICES**



**CLIENT LIST**



CIN: U74999BR2017PTC036362

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Koyali Village, Vadodara, Gujarat, India-391330

**Register Office:** Naya Tola, Ward No.2 Riga Road ( Nr.Tower),  
Sitamarhi, Bihar, India-843302

**BLOWN INSULATION  
SERVICES PVT. LTD.**

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