

1. <https://www.sandhyaflex.com/cement-fedding-rubber-hose.html>

Application of Cement Hose: Cement Fedding Rubber Hose is used for spraying cement grout at irrigation projects, buildings, dams, sites, dams, bridges and roads in the hilly terrains.

Construction:

Lining: It is a uniform, seamless and extra thick tube of natural, synthetic and blend rubber compound. It offers excellent abrasion resistance which is free from air blisters, porosity and other defects.

Reinforcement: Woven textiles or braided high strength natural/ synthetic yarns that are impregnated by piles of rubber

Cover: It is a suitable rubber compound having a cloth marked finish making it weather and abrasion resistant.

Electrical Bonding: To provide electrical continuity throughout the length of the hose, a stand of copper wire is embedded in the reinforcement plies.

2. <https://www.sandhyaflex.com/elestomeric-bridge-bearing.html>

Offering the finest Elastomeric Bridge Bearing, Sandhya Flex takes pleasure as a leading manufacturer of the products. We have segregated our infrastructure into several units with one of them as packaging unit. Here we meticulously pack our Elastomeric Bridge Bearing to ensure safe and secure deliverables. For the safe storage of the manufactured products, we have installed our facility equipped with all the modern amenities for absolute quality satisfaction.

The features of the elastomeric bridge bearing involve a strong design, simple installation and high quality. Also, it allows movement in all the directions you desire. Moreover, it finds its application in bridges, auditoriums, buildings and stadiums among others. They have exceptional tensile strength along with good elongation strength.

They are easy to install for various applications. Above all, they require less maintenance as well. They are precisely manufactured by specialists and experts as per the national and international norms and standards. Also, we use premium quality raw material to manufacture these elastomeric bridge bearing which are sourced from reliable vendors. Further, we assure the best quality, superior performing, durable and energy-efficient elastomeric bridge bearing which you can get from Sandhya Flex at competitive prices in the market.

3. <https://www.sandhyaflex.com/bridge-drainage-spout.html>

You can get the best bridge drainage spout from Sandhya Flex which is of high quality and offers finest performance. The bridge drainage spout is a pipe that carries rainwater down from a platform. Moreover, the materials used to make it are mild steel and galvanized. It protects it and prevents corrosion or rusting resulting due to the water flowing through the pipes. Also, at Sandhya Flex, Bridge Drainage Spout are manufactured and supplied as per the specifications of MORTH. Also, we provide a range of drainage spout as well as according to customer specifications.

Being a prominent drainage spout manufacturers for bridges, we offer top-class products to the customers. Also, they are precisely designed to ensure the best performance and long lasting. The bridge drainage spouts we offer are high corrosion-resistance and rust-resistance. The drainage spouts are easy to install alongside having superb finish, precise dimensions and finest manufacturing.

Also, every drainage spout is rigorously tested by our quality controllers. The bridge drainage spouts are made of top-notch raw material along with advanced technology with the best practices. Therefore, for the best drainage spouts at exceptional prices, Sandhya Flex can be the best choice.

4. <https://www.sandhyaflex.com/strip-seal-expansion-joint.html>

The Strip Seal Expansion Joint system is designated as unique concept which is used for effectively sealing the expansion joints in bridges and structures having movements up to 125 mm. For constructive systems exposed to traffic, several versions of Single-Seal Expansion Joints are available. All the types of constructive systems have a clear demarcation between the two main functions i.e., 'inflexible anchoring' and 'watertight connection'. This enables the finest adjustment possible of the two components, sealing profit and edge construction as per the conditions of the traffic road.

Features of Strip Seal Expansion Joint Key

- The seal is mechanically locked
- Continuous sealing elements are there
- It has racking movement capability (For selective profile of sealing elements)
- It has self debris expelling capability
- It is less prone to abrasion

Description of Strip Seal Expansion Joint

For the functioning of bridge structures, the Bridge deck expansion joint is an essential element. In case of failed functioning of the joints, they can lead to problems out of proportion compared to their size. By selecting good joints for usage, you can ensure fewer bridge maintenance problems. Also, the Indian Ministry of Roads & Highways (MORT&H) has ruled out guidelines for designing, manufacturing and installation of Strip Seal Expansion Joint in India.

Types of Strip Seal Expansion Joint: At Sandhya Flex, we design, manufacture and supply alongside replacing, supervision and installation

COMPRESSION SEAL JOINT

Primarily used for smaller range movements from 0 to 40 mm, compression seal joints comprises of two angles having an elastomeric seal. The installation is seal is in a compressed position. All this makes this joint an ideal one for replacing the old joints and for a new project.

Strip Seal Expansion Joint

With its usage for medium movements from 0 to 80 mm, strip seal expansion joint consists of two edge profiles having an elastomeric seal in between. The edge profiles are casted into the noising of the structure. These joints have an expected performance life of over twenty-five years. For bridge consultants and engineers worldwide, strip seal expansion joints are the most popular and expected.

5. <https://www.sandhyaflex.com/mastic-pad.html>

Sandhya Enterprises is involved in the dealing and supply of Jolly Board expansion Joint Filler. The Jolly Board Expansion Joint Filler is manufactured from cane fibre which is water resistant and has mastic pad bitumen. The range of sizes available– 10 MM, 12 MM, 18 MM, 19 MM and 25 MM (both boards and strips in thickness).

Joint Expansion Joint Filler have excellent resistance to compression and outstanding recovery characteristics. Also, they are environment-friendly contrary to the destructive thermocol/ plastic expansion joint filler.

Applications of Jolly Expansion Joint Fillers

External wall cladding: it is used for filling expansion and structural separation joints in block and concrete construction.

Traffic surfaces: It is used for filling expansion joints in motorways, roads, runways, pedestrian areas, bridges and curbs.

Internal surfaces: It is useful in filling expansion joints across concrete floors including screed floors having under-floor heating

Roofs and floor finishes: It is ideal for filling expansion joints in concrete floors

Building superstructures: It can be used to fill expansion joints in basements, retaining walls, site slabs, subways and other water excluding structures.

Expansion strips: It can be used against existing or between adjacent constructions and inlets in concrete paving like drains, manholes and more.

Jolly expansion joint fillers are used for Industrial flooring as well.

Internal finishes: As per the state-of-the-art and local regulations, it can be used in various other flat works and concrete floors.

6. <https://www.sandhyaflex.com/Chequered-Electrical-Rubber-Mat.html>

Sandhya Enterprises is a leading manufacturer and supplier electrical rubber mats in accordance with IS 5424:1969. We offer high-quality rubber mat for electrical purposes and is highly recommended for safeguarding the workers against electrical hazards. Also, the electrical rubber mats are highly economical and best for general use alongside. Moreover, we recommend the use of insulated rubber mats according to the Indian standard IS 15652:2006 for electrical insulation.

The material used for manufacturing the insulating rubber mats at Sandhya Enterprises is made from natural rubber providing it with excellent resistance and mechanical properties. The door mats available in a thickness from 6mm to 25mm having a standard size of 1M by 2M having a chequered or fluted design. Also, provide a manufacturer's test certificate with the supply.

At Sandhya Enterprises, insulating rubber Mats are precisely designed to be used as floor covering to protect the workers on AC and DC installations having system voltages up to 66kV and 240V DC. These are as per the Bureau of Indian Standards IS15652:2006 superseding the previous IS 5424 of 1969.

Sandhya Enterprises ensure the manufacturing of electrical resistance insulation mats from vulcanized rubber compounds which are free from fabric insertions and fibrous material. Also, the mats come with a guarantee of 18 months from the date of dispatch or 12 months from the date of usage, whichever is earlier. In case of failure, the scope of warranty is limited to replacement or repairs only.

7. <https://www.sandhyaflex.com/Insulating-Rubber-Mat.html>

An ISO-9001:2015 certified Co., Sandhya Enterprises is engaged in Polymer and Rubber Industry from over last three decades.

At metro Corporation (Formerly Tata rubber Corporation), we offer premium grade safety mats for electrical purposes.

The safety Mats are manufactured with the material having high di-electric strength and a capacity to withstand KV up to 3.3Kg, 11.0KV and 33.0KV. Apart from insulation mats manufacturing, we manufacture several other Industrial Products such as hosepipe, rubber sheets, neoprene, silicon, nitride and other synthetic rubber profiles. The insulating rubber Mats ensure the safety of workers while working with high or low voltage electrical equipment. Usually conductive Mats are supposed to be laid on the floor closely to the electrical

apparatus; L.T & H.T control panels, switchboards, fuse boxes, switchgear electrical bus bars and heavy machinery. Moreover, the insulation mats are compulsory to be installed in industrial premises to ensure the safety of workers involved in any operation related to electricity generation, transmission or distribution.

Dielectric safety Mats we supply comply with the Indian/ National/ International standards of the American Society for Testing and Materials (ASTM), International Electro Technical Commission (IEC) and Bureau of Indian Standards (BIS).

We do not compromise with the safety and offers safety mats that provide best safety from electric shocks.

Above all, we are dedicated to continuously develop our tools, techniques and products to provide a greater impact on workers safety.

ELECTRICAL INSULATING MATS FOR ELECTRICAL PURPOSES IS: 15652-2006 (Latest)

Enlarge

Electrical insulation mat for electrical purposes are used to provide safety to the electricians by offering insulation against electricity and preventing electrical shocks. The mats are effective against both AC and DC installations. The synthetic insulation mats or poly elector safe mats are available for both HT and LT Voltage Panels. They are suitable for system voltages up to 66kV AC and 240 V DC. These insulating mats provide safety as well as ergonomics benefits.

Regardless of the type of industry, insulating mats can be used in an electrical shop for the safety of technicians in danger as well as a factory. These electric shock-proof mats and electrical insulation mats provides protection from electrical shock along with working as a cushion for the workers for ergonomical purposes. Moreover, they mats provides cushion surface for the workers to stand for longer time without complaining of ergonomical fatigue. These insulating mats for electrical panels are very useful in industries where any sort of electrical work is involved.

Considering the present scenario of Indian Industries, not much attention is paid towards the safety of the workers. Often, many companies forget that ensuring the safety of employees do not require too much efforts. The mats we offer serve an excellent option to introduce a safe working environment on the shop floor. Apart from safety, it also enhances the working conditions by providing the required cushioning to the technicians who are working on the shop floor having a standing job.

Sandhya Enterprises has a history of manufacturing the finest insulating mats in India having optimum quality and safety standards. Moreover, the electrical insulation mats will make the manufacturing facility shockproof and safe.

Several areas where these electrical mats find their application are electricity control panels, HT & LT panels, energy sub-stations and power control rooms among others.

Classification

The electrical rubber insulation mats are in accordance with BIS Standard 15652-06. It is divided into three classes based on Voltage Ratings. The three classes differ depending on thickness of mats, Voltage Grade, proof voltage and break down voltage.

8. <https://www.sandhyaflex.com/pvc-water-stopper.html>

Sandhya Enterprises are one of the top manufacturers in India. Water Stoppers are the flexible plastic strips that are used to provide a physical barrier to water. The barriers can be at concrete joints in basements, water-retaining structures like water tanks, swimming pools, structural foundations and other constructions of below

ground level. Water stoppers are also known as water bars and seal construction joints. In a typical water stopper, there are two identical halves on both sides of the central bulb. They serve as an additional extension aiming to increase the path length for water entering behind the edge of water stopper.

Compounding of PVC Water Stopper

Anti-ageing customized plastic compound is used for manufacturing the water stoppers. Alongside, it has PVC as a base polymer. Moreover, the properties it exhibit are high elasticity and tensile strength, immunity to corrosion, excellent weather resistance, unaffected by acids, alkalis, metals, salts and other chemicals. Other properties include lower water absorption, high hydrostatic pressure withstanding capacity, heavy turbine shock bearing alongside earthquakes and floods.

Application in construction industry

- The PVC water stopper acts as a sealant at RCC Masonry concrete joints alongside preventing any water seepage through the joints.
- The PVC water stoppers can withstand expansion or contraction movements at the joints. Also, they can effectively take care of displacement or deflection that arises due to temperature, differential settlement of foundations and geo disturbances causing seismic forces such as earthquakes. This eliminates any risk of cracks.

Selection of appropriate PVC water stopper

- 1) **Ribbed Type** – It has a multi-purpose water stopper design to be used for the expected differential settlement of poured concrete and a firm concrete grip desired.
- 2) **Dumbbell Type** – With greater variation in temperature, expansion and contraction of joints happen. Dumbbell type water stoppers are the suggested ones for these cases.
- 3) **Kicker (Surface Type)** – Where the embedded types cannot be used owing to interference of steel reinforcement, these are placed externally.

Installation procedure:

During installation, using small wires, the water stoppers are tied to the steel framework through the eyelets. Also, certain metal clamps are used to grip the water stop seal and keep it in proper position. Initially, half of the water stopper is placed in the concrete. It leaves the other half extended. Then, the other half is embedded that leaves the centre bulb free for expansion and contraction movements.

Applications of PVC Water Stoppers

- **Public Utilities:** For bridges, road embankments, tunnels, water tanks, water filtration systems, swimming pools, sewage plants, clarifiers, dams, canals, reservoirs, aqueducts and irrigation projects cooling towers.
- **Buildings:** For basements, foundations slabs, masonry joints, retaining walls, terraces, overhead & underground water tanks and skyscrapers
- **Industries:** For fertilizer steel, chemical plants, waste treatment plants, atomic reactors, thermal & hydro power stations and shipyard & docks.

Precautions to take while water stopper installation

- They are vulnerable to damage during the construction process
- The concrete compaction around the water stopper should be taken care of. If not, it can dislocate and lead to a risk of honeycomb formation. This might result in leakage through concrete instead of the joint.

Methods for joining PVC water stoppers with heater blade

Water stoppers can be joined on the site using a simple electrical heater blade.

- Water bars having the same width and design should be sharply levelled with a knife at the edges
- Turn on the Electric Heater Blade. Wait till it becomes hot.
- Place the water stopper on both sides of heater blade. Press it until it melts but without burning.
- Remove the heater blade upward
- Join the molten ends quickly. Hold them together firmly for approximately 20 to 30 seconds.

9. <https://www.sandhyaflex.com/vibrating-screen-rubber-beading.html>

At Sandhya Flex, being a renowned manufacturer and supplier of vibrating screen rubber beading, we offer the best one of all. Suitable for 10 mm and 12 mm thick supporting plates, they are precisely designed to provide the maximum support and high dampening capacity. When placed under the vibrating screens, they serve the function of a buffer that avoids contact metals. Moreover, it helps in increasing the lifespan of the vibrating screens from vibrations. It offers immense strength alongside being long-lasting and adaptability to weather conditions.

It finds its application in automotive industries, metal industries and crusher vibrating screens. The offerings are rigorously checked and tested by our quality controllers to ensure high-quality and finest performance. Moreover, they have superior heat aging property while having the ability to bear high impact, shock and vibration.

The vibrating screen rubber beading experiences great demand in construction, mining and metal industry to protect the crusher screen from the vibrations and shock during the work. They are available in different sizes. You can choose from them depending on your requirements and specifications. With its exceptional design and build-up, they provide resistance to acids, bases, weather changes, high and low temperatures, load and more.

10. <https://www.sandhyaflex.com/slurry-and-mud-rubber-hose.html>

A trusted and leading manufacturer of slurry and mud rubber hose, Sandhya Flex provides highly abrasion resistant and soft natural rubber compound offerings. It has a low resistant electrical binding wire that is embedded between the reinforcement plies to enable electrical continuity along the length of the slurry and mud rubber hose. It has an excellent resistance to weather and abrasion. It finds its applications for grouting at irrigation projects, bridges and building sites among others. The range is rigorously tested to ensure the highest quality and performance. Our slurry and mud rubber hose has a robust construction and performance.

11. <https://www.sandhyaflex.com/rubber-expansion-joint-bellow.html>

An ISO: 9001:2015 certified company, Sandhya Enterprises is a trusted manufacturer and supplier of Rubber Expansion Joint Bellow according to the customer specifications. We have a range of standard as well as custom manufactured bellows that caters to several applications from heavy industry to food quality. Depending on the specific application of the clients, bellow design, open-close ration, stroke length, convolution width, split or endless configuration and materials are selected.

For instances of unsuitability of molded bellows, we have a range of hand-built rubber bellows which includes tapered and smooth bore.

Our hand-built rubber bellows are precisely designed to absorb the motion and displacement between the pipe flanges.

For over 50 years, we have stood in the front of fluid sealing technology. Our path to growth and success is embedded in our commitment to furnish the most innovative sealing solutions alongside unmatched services to the world processing industries. With rubber expansion joints, you can protect equipment and piping from damage that is caused due to vibration and thermal movements. Apart from their primary purpose, they are also used to accommodate equipment misalignments. Moreover, the rubber expansion joints offer superior flexibility, movement absorption and cycle life while resisting to chemical attack and abrasion.

They can be used over a wide scale of pressure and temperature. This makes them a preferred expansion joints for majority of liquid and slurry applications. Also, gases and solids are frequently conveyed by rubber expansion joints.