

CATEGORY

**BUILDING MATERIALS/COMPONENTS**



PRODUCT / TECHNOLOGY



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Technology Detail

**PLUMBING, PIPE FLANGE, COLLAR, WATERPROOFING MEMBRANE,  
WATER SEAL TAPE AND ELECTRICAL PIPE COLLAR**

*Innovative products for waterproofing of plumbing works*



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CONTACT DETAILS

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**Rashi Marketing**

BRIEF

The company has designed & developed Ethylene Propylene Diene Monomer (EPDM) rubber based Pipe Collars for waterproofing of Nani Trap (Drainage) Plumbing Pipe Joints and Core cut and other the Innovative waterproofing Products .The description of these products is as follows:

- WPE55 PIPE COLLAR (CORE CUT) is developed to arrest the water leakages through the core cut done in the slab. Pipes are saved from seepage/Leakages Core Cut packing is the process of fixing Plumbing pipes in RCC members (Slabs or beams or RCC walls) in their cutouts/ core cuts.
- WPE55 Pipe Collar for Nani Trap (Drainage System) is developed to arrest the water leakage/seepage through the inside portion of the bedding material above the Nani trap. After placing of the Nani trap on the floor, the bedding material is casted to maintain the slope, but the inside portion of the bedding material, i.e. the inside portion between nani trap and bedding is not waterproofed, this is source of leakage/seepage. WPE55 Pipe Collar completely seals/covers this gap and allows to flow into the Nani trap.
- The WPE56 PUDDLE FLANGE is suitable for all standard pipes in steel, plastic, stoneware, concrete and cast iron etc. have been specifically designed for the pressure-tight installation of pipelines in concrete walls, foundation plates and manholes. WPE56 Puddle Flanges are pressure-tight water, diffusing media such as gases (e.g. radon) and hydrocarbons (e.g. oil, petrol).

The WPE56 PUDDLE FLANGE is an extremely flexible product available in a range of versions. A perfect solution for any application. Easy to install. Cost-effective alternative to conventional sealing systems. WPE56 PUDDLE FLANGE is an economical and reliable method of hydrostatic sealing, the ideal solution where ever it is not possible to retrofit sleeves or core holes.

The puddle Flanges is designed to prevent leaks around pipelines



**Pipe Collar (Core Cut)**



**Puddle Flange**

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penetrating poured concrete walls, floors, shafts, tanks, pools, manholes, and structures. The flexible gasket is installed during construction on the outside diameter of the pipe where a water tight seal is required. The unique flexible design bonds to concrete and compresses. The PUDDLE FLANGES are made in EPDM. EPDM is chemically resistant to a wide range of acid and bases. It also offers outstanding weather and ozone resistances.

- WPE55 Pipe collars with fleece with expansion zone is a waterproof and permanently elastic sealing product. It's made from thermoplastic elastomer, both side special non-woven and centrally inserted TPE rubber layer.

The product ensures excellent compatibility and good adhesion with polymers dispersion, flexible mineral sealing compounds and thermosetting resins. However, it is advisable to conduct a compatibility test before applying other products.

Applications: For permanently sealing wall and floor pipe passages in common with embedding materials, underneath ceramic tiles or natural stones, in outdoor or indoor construction parties like, bathrooms, showers, balconies, terraces etc. It's highly resistant on hydrostatic pressure and vapor permeable, tear proof and chemical resistant. Very good behavior on temperature differences.

Limits: Product has to be stored in a cool and dry place, not to expose to direct sunlight. Use the tape within 24 months after receipt.

- WPE-55 SEAL TAPE:**  
The product gives leakage proof roofs and damp free walls. It comes with ozone fighting molecules. It can be used for various application like Plumbing Joints, landscaping, fountains, swimming pools, suspended plumbing and more.

Application process: Remove the yellow film, wrap 3-4 rounds on joints before plastering. Stretch the tape at least three quarters of the original width. More the stretch tighter is the seal. Overlap quarter of the tape again.

- WPR55 WATERPROOFING MEMBRANE**  
WPE-55 membrane consists of a non-bituminous compound reinforced and protected on both sides with a non-woven polypropylene developed for floor and walls. It is developed for the waterproofing of internal/ external walls like bathroom, kitchen, terrace, toilets, construction



Seal Tape



Place the WPE55 Pipe Collar adjusting the height of the bedding material



Shows that the Inside portion of the bedding is covered with barrel of WPE55 Pipe Collar



Ready for tiling

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joints, swimming pools, basements, retaining walls, rising dampness, chajjas, or wet areas with a risk of water infiltration.

The application is simple and non-polluting. It is mainly used as a sandwich layer for waterproofing. On this layer, other layers of protection and decoration are needed. When applying, pour the adhesive materials homogeneously on the smooth surface, then roll the membrane to make it fully adhesive for fitting WPE-55 water proofing membrane on floors and walls.

Characteristics of Membrane:

- Waterproof, Anti- Ageing, Anti-Cracking.
- Non- toxic, environmentally friendly product,
- Excellent adhesion with many surfaces, especially direct adhesion to cement material in its curing process.
- Tough, impermeable, multi-layered sheet, High tensile strength, good cold flexibility.
- Thin, flexible, compatible with common cement screeds and resistant to most common alkaline solutions.
- It creates a separation layer between surface and the floor/walls.



**Waterproofing Membrane**



## SALIENT FEATURES

- Cost effective solutions to arrest the seepage /Leakages around Plumbing and electrical Pipe,
- Saves water and building structure from further damage due to water leakages
- Durable upto 20 years.





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## ECONOMIC ASPECTS

- Reduces the cost of repair due to no seepage /Leakages.

## SUSTAINABILITY ASPECT

- Saves water and building structure from further damage due to water leakages.

## SUITABILITY AND AVAILABILITY

- Applicable to all Climatic conditions.
- Developing Dealer/applicator Network Pan India.

## LIMITATIONS, IF ANY

- As per Manufacturer's Specification

## MARKET LINKAGES

- Easily available

## MAJOR PROJECTS

- Individual Houses
- Brightland Hotel at Mahableswar

## CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- New product.

