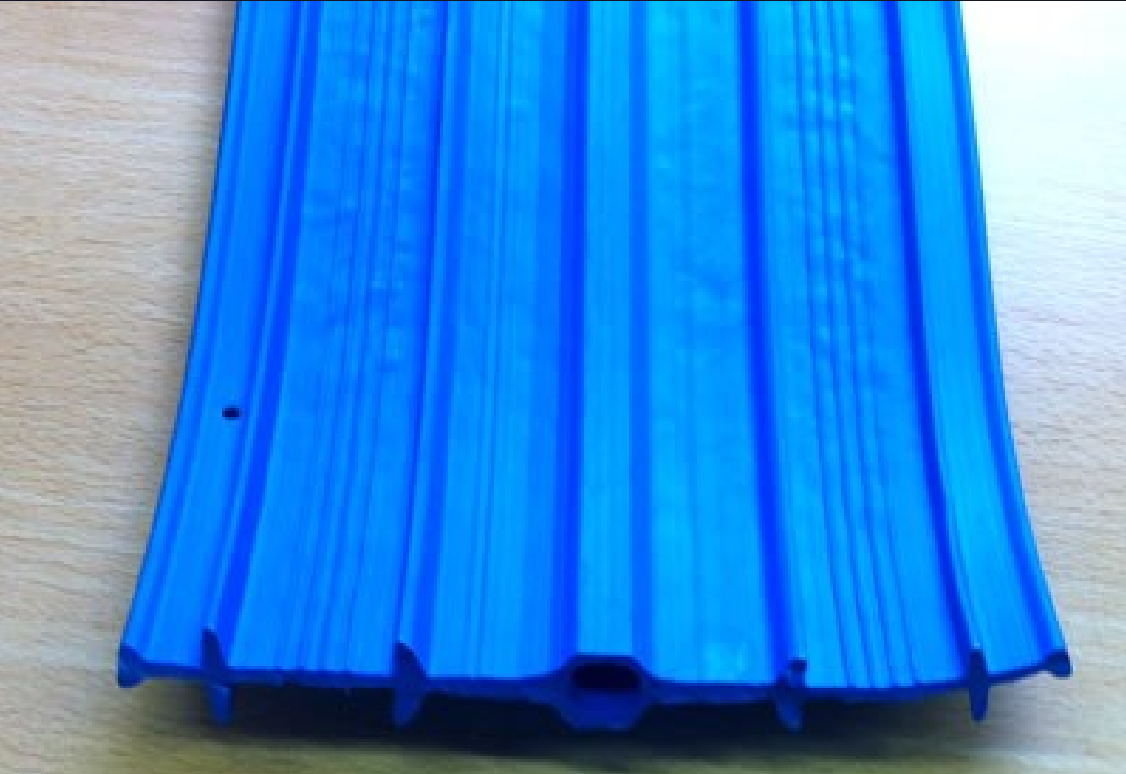


PVC WATER STOPPERS



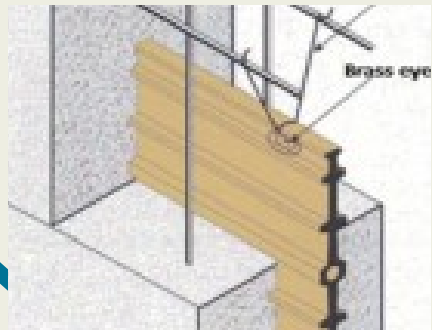
AMROCK PVC Water Stoppers

AMROCK PVC water stoppers are indispensable elements in the domain of concrete masonry construction, particularly in the intricate framework of hydraulic structures where the battle against hydrostatic pressure and water seepage rages on. Crafted with precision from a specially formulated plasticized PVC composition, these profiles emerge as stalwart defenders, equipped to confront the relentless forces that threaten the integrity of such constructions.

AMROCK PVC water stoppers fulfill a multifaceted role at their core, serving as both guardians and facilitators within poured concrete structures. Their primary function revolves around creating impregnable barriers against the formidable might of hydrostatic pressure, effectively shielding the concrete matrix from the potentially devastating effects of water infiltration. By forming tight seals within the concrete joints, these stoppers effectively impede the ingress of water, thereby preserving the structural integrity and longevity of the construction.

However, their utility transcends mere protection; PVC water stoppers are also adept at managing the dynamic interplay of forces inherent in concrete structures. They possess the remarkable ability to accommodate the inherent expansion and contraction of concrete joints, a phenomenon driven by temperature fluctuations. Moreover, they gracefully navigate the challenges of foundation settlement, deftly adjusting to deflection or displacement to maintain a steadfast barrier against water ingress.

In essence, AMROCK PVC water stoppers serve as the unsung heroes of hydraulic structures, silently fortifying the concrete edifice against the relentless assault of hydrostatic pressure and water seepage.



Their resilience, adaptability, and unwavering commitment to the cause ensure that concrete constructions stand strong against the ravages of time and environmental factors, embodying the perfect synergy of form and function in the realm of construction materials.



Characteristics of AMROCK PVC Water Stopper:

AMROCK PVC Water Stoppers conform to the Technical Specifications set forth in IS 15058 (2002): PVC Water-Stops at Transverse Contraction Joints for Use in Masonry and Concrete Dams which are listed under:

Sr. No.	Characteristic	Unit	Specification
1.	Tensile strength	MPa	13.8 Min
2.	Elongation	%	285 Min.
3.	Hardness	Shore A	65 Min.
4.	Water absorption	% by mass	0.6 Max.
5.	Cold Bend temperature at which samples do not crack	° C	-25 Min.
6.	Accelerated extraction test:		
a.	Tensile strength	MPa	10.3 Min.
b.	Elongation	%	280 Min.

7.	Stability in effects of alkalis test		
a.	Weight increase at 7 days	% by mass	0.25 Max.
b.	Weight decrease at 7 days	% by mass	0.10 Max.
c.	Change in hardness at 7 days	Shore A	± 5
d.	Weight increase at 28 days	% by mass	0.40 Max.
e.	Weight decrease at 28 days	% by mass	0.30 Max.
f.	Dimension change	%	± 1

Features of AMROCK PVC Water Stopper:

AMROCK PVC water stoppers boast an array of impressive features:

- 1. Robust Mechanical Strength:** These stoppers are built tough, and capable of enduring significant pressure and loads without faltering.
- 2. Chemical Resilience:** Unfazed by acids, alkalis, and other chemicals, AMROCK PVC water stoppers promise a long service life, even in challenging chemical environments.
- 3. Minimal Water Absorption:** With a lower water absorption rate compared to rubber, AMROCK PVC water stoppers excel as watertight seals, effectively preventing leaks while allowing safe passage for seepage water.
- 4. Simple Installation:** Easy to weld and install, these stoppers streamline the construction process, saving time and effort.
- 5. Resilient against Hydrostatic Pressure:** Able to withstand high levels of hydrostatic pressure, AMROCK PVC water stoppers maintain their integrity even under the most demanding conditions.
- 6. Impressive Tensile Strength:** Built to handle heavy loads, such as those encountered during seismic events or the operation of heavy machinery like turbines, these stoppers demonstrate remarkable tensile strength.

In summary, AMROCK PVC water stoppers offer a winning combination of strength, chemical resistance, and ease of installation, making them indispensable assets in a wide range of construction applications.

Structures that require water stoppers:

- Storage Tanks.
- Retaining walls
- Swimming pools
- Subways, tunnels, culverts
- Cut & cover structures.
- Dams, canals, and water reservoirs.
- Foundation, basements, and underground parking
- Pumping stations, underground chambers
- Drainage and sewerage concrete structures (Sewerage Treatment Plants).

Installation

The most common method for installing water stoppers involves securing them to the steel framework or small eyelets using thin wires. Alternatively, specialized metal clamps can be utilized to firmly grip the water stop seal, ensuring it remains in the correct position. However, it's important to note that some practices, like puncturing the water stop seal with fine metal wires at the ends and tying them to the steelwork, should be avoided to prevent damage.

For optimal installation, water stoppers should be supported using clamps similar to those used for hanging clothes on a washing line when suspended from above. Additionally, our water stoppers can be affixed using clamps nailed to wooden shuttering to maintain precise positioning and a straight surface. During the initial concrete pour, wooden planks are erected on the void side, and before subsequent pouring stages commence, these planks are removed to allow the water stopper to hang freely.

Furthermore, the design of our water stopper includes central bulbs that accommodate significant contractions and expansions, ensuring flexibility and durability in various conditions.

ABOUT AMROCK ENTERPRISE PVT. LTD.

AMROCK ENTERPRISE PRIVATE LIMITED is an ISO 9001:2015 certified company established with a vision to supply superior quality products at an economical price. It is currently based in Rajkot, Gujarat. AMROCK has rapidly become a prominent supplier of PVC roundels, geotextile membranes, PVC water stoppers, Polypropylene Monofilament Micro Fibers, and power tools to projects spanning PAN India. The products are manufactured with best-in-class facilities.

Our primary goal is to provide the highest quality products to the projects. By doing so, we aim to empower owners and contractors with reliable and cost-effective options to address a myriad of geotechnical, transportation, hydraulic, and environmental challenges.

At AMROCK, we are unwaveringly committed to upholding the highest standards in all our commercial relationships with customers. Our dedication extends beyond transactions, emphasizing the cultivation of enduring, long-term partnerships. This commitment ensures that our clients not only receive superior products and services but also benefit from a sustained and mutually beneficial collaboration.

As we continue to evolve and innovate, AMROCK ENTERPRISE PRIVATE LIMITED remains steadfast in its mission to deliver excellence, foster innovation, and build lasting connections within the dynamic landscape of the construction and infrastructure industry.

CONTACT US

AMROCK ENTERPRISE PVT. LTD.
amrockbw@gmail.com
501, Sarang Apartment, Street no. 9,
Jagnath Mandir Chowk,
Rajkot - 360001