

REC PVC WATER STOP 111

SPECIALLY DESIGNED WATERSTOPS FOR EXPANSION AND CONSTRUCTION JOINTS

DESCRIPTION

REC PVC WATER STOP 111 is a flexible, durable PVC sealing product designed to prevent water penetration through construction, expansion, and contraction joints in concrete structures. It is manufactured from high-quality Polyvinyl Chloride (PVC) and is suitable for use in both water-retaining and water-excluding structures where reliable watertightness is required.

KEY BENEFITS

- High-quality PVC provides durability and long service life.
- Suitable for applications exposed to water pressure.
- Flexible and suitable for concrete joint sealing.
- Can be joined by suitable heat-welding methods.
- Available in different sizes and configurations to suit various applications.
- Provides a continuous and effective waterproofing barrier when properly installed.

SCOPE OF USE

REC PVC WATER STOP 111 is suitable for use in water-retaining structures such as reservoirs, water towers, dams, spillways, canals, swimming pools, sewage treatment structures, and water tanks. It is also suitable for preventing water ingress into basements, underground car parks, tunnels, subways, retaining walls, pits, and other concrete structures.

TECHNICAL DATA

Material	Polyvinyl Chloride (PVC)
Color	Blue
Specific Gravity	Approximately 1.38

IMPORTANT POINT

Selection of the appropriate size of **REC PVC WATER STOP 111** should be based on the type and location of the joint, concrete thickness, reinforcement arrangement, expected joint movement, and water pressure. The Water stop should be positioned continuously along the designated joint and securely fixed to prevent displacement during concrete placement.

INSTALLATION

REC PVC WATER STOP 111 should be installed in accordance with the approved construction drawings and project requirements. The water stop must be securely supported and positioned correctly before concrete placement. Particular care should be taken at bends, changes in level, intersections, and other joint details. Factory-fabricated junction pieces are recommended where appropriate to minimize on-site joints and improve installation reliability.

CONCRETE PLACEMENT

Concrete should be placed carefully on both sides of the water stop and thoroughly compacted to ensure complete embedding and proper contact between the concrete and water stop. Honeycombing, voids, air pockets, and poorly

compacted concrete around the water stop should be avoided, as these may compromise watertightness. Concrete should be placed in a manner that prevents the water stop from being displaced or folded during casting.

SECOND-STAGE CONCRETING

Before second-stage concreting, the exposed water stop should be inspected and cleaned of any hardened concrete, dirt, or other contaminants. Any defective or honeycombed concrete around the joint should be repaired before further concrete placement. The Water stop should remain correctly positioned and undamaged during subsequent concreting.

SITE JOINING

Where site joining is required, Water stop sections should be joined using an appropriate heat-welding method and suitable welding equipment. The ends should be cut square, clean, and properly aligned before welding. The welded joint should be allowed to cool and should be visually inspected to ensure a continuous and secure connection. The number of site joints should be kept to a practical minimum.

FIXING

For centrally placed applications, the water stop should be securely fixed to the reinforcement or formwork using suitable fixing methods to prevent movement during concreting.

For externally placed applications, the Water stop should be securely positioned on the prepared surface or slab and protected from displacement during concrete placement.

PRECAUTIONS

Avoid damaging, cutting, folding, or excessively stretching the Water stop during handling and installation. Ensure that the concrete surrounding the Water stop is dense, properly compacted, and free from honeycombing. Care should be taken during formwork removal to prevent damage to the exposed Water stop.

CLEANING OF TOOLS

Clean tools and application equipment immediately after use. Hardened material should be removed mechanically where necessary.

SAFETY INFORMATION

For information regarding the safe handling, storage, and disposal of the product, refer to the latest relevant Safety Data Sheet (SDS) available from RECKON CHEMICALS PVT LTD.

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RECKON CHEMICALS PRIVATE LIMITED
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE
Tell: +92-42-35452620, +92-42-35230419
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

