

# FLEXVERSE®

## PVC WATERSTOPS

Flexible PVC waterproofing solution for construction joints

### Storage and Jointing: Common To All Waterstops

#### Storage



- Prior to use, store Flexverse® PVC waterstops properly supported in a clean, dry place.
- Avoid direct sunlight, prolonged UV exposure, and other heat sources.
- Keep away from dirt, grease, sharp objects, and rough surfaces.
- Do not drag waterstop rolls on the ground; handle with care.

#### Jointing (splicing)



- Waterstop ends must be welded, to ensure a continuous watertight seal.
- Verify the selected ends are of the same design and size.
- Cut ends straight for direct butt jointing; for L-, T-, X-joints, cut accordingly and remove ribs.
- Using a welding iron/hot air gun (and never direct flame), melt both ends uniformly just until beads start to form. Immediately press the ends together until they cool and fuse.
- Carefully inspect the welds, and ensure:
  - Proper alignment and continuity, with no overlapping
  - No cracking when bent sharply by hand
  - No bubbles, charring, or damage while heating
- On-site welding of intersection joints may not be sufficiently secure. We recommend using Flexverse® prefabricated intersection joints, which are ready to be installed directly.
- We do not recommend the use of adhesives for jointing, as they offer weak sealing and risk leakage.

**Disclaimer:** this guide is based on our current knowledge and industry experience, and is intended for general reference only. Flexverse Polymers Pvt. Ltd. accepts no liability for any loss, misuse, installation practices, or final performance at job-site, whether or not in accordance with any advice, recommendation or information given by it. Our responsibility is subject to the T&C of sale. Users must independently verify product and installation suitability for their specific application and site conditions.

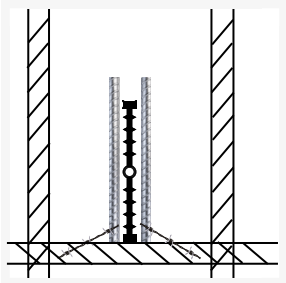
# FLEXVERSE®

## PVC WATERSTOPS

Flexible PVC waterproofing solution for construction joints

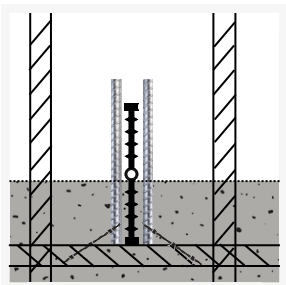
### Installation Guide: Ribbed and Dumbbell Waterstops

#### Step 1: Placement and Support



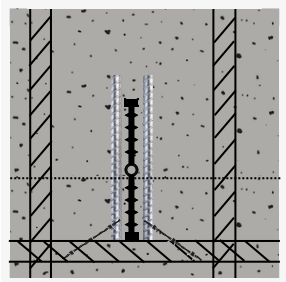
- Position the waterstop with its centre aligned to the joint centreline.
- Ensure it is placed at least half its width away from the concrete face.
- To allow proper concrete flow and compaction, maintain a minimum clearance of 1.5x the aggregate size from the surrounding reinforcement.
- Fix support rods/rebar pins at 500 mm intervals on both sides of the waterstop, and tie them to the main reinforcement, to secure the waterstop and prevent folding. Alternative supports can be used, if desired.
- Ensure the waterstop does not get displaced, and is never pierced, cut, or torn to pass through the reinforcement.

#### Step 2: First-stage Concreting



- Pour concrete such that only one half of the water stop is embedded, leaving the second half, including the bulb (if present), extended.
- Systematically vibrate the concrete, especially underneath the waterstop. This ensures continuous contact with the waterstop, and eliminates the risk of voids or honeycombing of the concrete.

#### Step 3: Completing Installation



- Once the first pour has cured, the remaining half of the waterstop should be embedded in the next concrete pour.
- Proper compaction and vibration must be maintained, to achieve a homogenous, void-free concrete in the vicinity of the joint. Ensure the central bulb, if present, remains free to allow expansion and contraction.
- Exercise care to prevent any misalignment of the waterstop.

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# FLEXVERSE®

## PVC WATERSTOPS

Flexible PVC waterproofing solution for construction and expansion joints

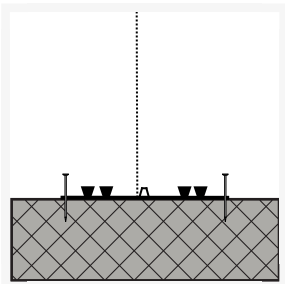
### Installation Guide: Surface (Kicker) Waterstops

#### Step 1: Surface preparation



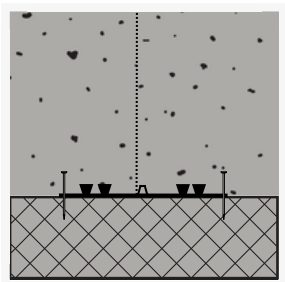
- Ensure the application surface is clean, dry and free from all grease, dirt, debris, and laitance.
- A roughened surface is preferred for better gripping.

#### Step 2: First-stage Concreting



- Pour concrete such that only one half of the water stop is embedded, leaving the second half, including the bulb (if present), extended.
- Systematically vibrate the concrete, especially underneath the waterstop. This ensures continuous contact with the waterstop, and eliminates the risk of voids or honeycombing of the concrete.

#### Step 3: Completing Installation



- Once the first pour has cured, the remaining half of the waterstop should be embedded in the next concrete pour.
- Proper compaction and vibration must be maintained, to achieve a homogenous, void-free concrete in the vicinity of the joint. Ensure the central bulb, if present, remains free to allow expansion and contraction.
- Exercise care to prevent any misalignment of the waterstop.

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