

# PENEBAR™ SW-55

## CONCRETE JOINT WATERSTOP

### DESCRIPTION

PENEBAR™ SW-55 is a waterstop developed to stop water penetration through cast-in-place concrete joints by expanding in a controlled fashion when exposed to water and making a positive seal inside and against the concrete. Its superior ability to expand and seal concrete joints allows it to replace the more passive tied in PVC waterstop systems and eliminate welding irons, split-forming and special shapes.

### APPLICATIONS

PENEBAR™ SW-55 can be applied to non-moving, concrete construction joints for both horizontal and vertical applications. It can be used on new or existing concrete, irregular surfaces and through-wall or slab penetrations, such as pipes, utility lines, piling and steel members.

Other typical applications that are ideal for PENEBAR™ SW-55 are: underground structures, basements, precast panels, tunnels, manholes, lift pits, retaining walls, concrete pipe and storage tanks.

### PHYSICAL PROPERTIES

**Color:** Black

**Specific gravity (ASTM D71):** 1.55 ± 0.05

**Volatile matter (ASTM D6):** 1% maximum

**Penetration, 150 g cone @ 25°C (77°F); 5 sec (ASTM D217):** 40 ± 5 mm

**Application temperature range:** -23°C to 52°C (-9°F to 126°F)

**Service temperature range:** -34°C to 82°C (-29°F to 180°F)

### STANDARD

Complies and meets the requirements to EU REACH Regulation (EC) No 1907/2006 Article 33(1) Obligation to provide information of safe use [see REACH requirement in report for details].

### PACKAGING

**Type A** is packaged 30 meters/carton (6 rolls, 19 mm × 25 mm × 5 m each).

**Type B** is packaged 24 meters/carton (6 rolls, 9 mm × 25 mm × 4 m each).

### DIRECTIONS FOR USE

- 1) Apply PENEBAR™ PRIMER by using brush at a minimum of 0.1 mm (4 mils) thick by 25 mm (1") wide over the entire surface length to receive PENEBAR™ SW-55. Allow it to dry for 10-15 min at a temperature of 25°C (77°F), or where the temperatures are low, allow it dry for longer time.
- 2) By using the heel of the hand and moderate pressure, press a bead of PENEBAR™ SW-55 firmly into position on the standing structure. Make sure the product has bonded with the primed area.
- 3) Where required, splice ends to form a continuous, uninterrupted seal. For best results, cut each end at opposite 45° angles and tightly butt ends together. DO NOT OVERLAP ENDS. Gently knead the spliced ends creating an uninterrupted seal.
- 4) Peel the protective covering from the exposed side of the installed PENEBAR™ SW-55.
- 5) Follow standard concrete placing procedures from here onwards.

### SPECIAL CONSIDERATIONS

- Always use PENEBAR™ PRIMER to ensure tight adhesion and to aid in preventing PENEBAR™ SW-55 from moving during the concrete pour. For vertical surfaces, nails may be used to hold the product in place in conjunction with PENEBAR™ PRIMER.
- PENEBAR™ SW-55 should be used at a minimum depth of 50 mm (2") inside the concrete.
- When used on pipes and other structural penetrations, PENEBAR™ SW-55 should be cut to measured length and placed around the penetration with ends butted.
- In all cases, PENEBAR™ SW-55 should be in direct contact with the substrate along the entire length of the installation.
- PENEBAR™ SW-55 is not an expansion joint sealant and only suitable for non-moving concrete joints.
- PENEBAR™ SW-55 should not be installed in standing water or on frozen or icy surfaces.

### STORAGE / SHELF LIFE

When stored in a dry enclosed area off the ground at a minimum temperature of 7°C (45°F) in unopened, undamaged cartons, shelf life is unlimited.

### SAFE HANDLING INFORMATION

Keep out of reach of children. Refer to the Safety Data Sheet for additional information.

**WARRANTY:** PENETRON INTERNATIONAL, LTD. warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON INTERNATIONAL, LTD. shall be limited to replacement of the material proven to be defective, and PENETRON INTERNATIONAL, LTD shall in no case be liable otherwise or for incidental or consequential damages. **PENETRON INTERNATIONAL, LTD. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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