

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.

RECOMMENDED FOR

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

- ▶ Underground structures
- ▶ Basements
- ▶ Precast panels
- ▶ Tunnels
- ▶ New to existing concrete
- ▶ Manholes
- ▶ Lift pits
- ▶ Retaining walls
- ▶ Concrete pipes
- ▶ Storage tanks

ADVANTAGES

- ▶ Controlled expansion. No early expansion of the product
- ▶ Allows concrete to cure normally, before expansion
- ▶ No decomposition with the passage of time
- ▶ Not affected by hydration/drying cycles
- ▶ Easy application, even on rough surfaces
- ▶ Applicable on horizontal and vertical surfaces
- ▶ No problems with the concrete application and compaction
- ▶ Not toxic. No special handling is required

TECHNICAL CHARACTERISTICS

Characteristics	Test Result	Test Method
<i>Color</i>	Black	
<i>Specific gravity</i>	84.28 ± 3.12 lb/ft ³ (1.35 ± 0.05 kg/Lt)	ASTM D-71
<i>Hydrocarbon content</i>	47% min.	ASTM D-297
<i>Volatile matter</i>	1% max.	ASTM D-6
<i>Penetration (150 g cone at 77 °F (25 °C); 5 sec)</i>	1 37/64" ± 13/64" (40 ± 5 mm)	ASTM D-217
<i>Application temperature</i>	-10 °F to 125 °F (-23 °C to 52 °C)	
<i>Service temperature</i>	-30 °F to 180 °F (-34 °C to 82 °C)	

All data are average values obtained under laboratory conditions. Impractical use, temperature, humidity and absorption of the substrate may influence the above given values.

CONCRETE JOINT WATERSTOP

DIRECTIONS FOR USE

Surface Preparation: Carefully brush off all dust and debris and apply a coat of PENEBAR™ PRIMER.

Application: 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. Splicing the ends to form a continuous, uninterrupted seal. For the best results, cut each end at an opposite 45° angles and position the cut ends together. Gently kneed the spliced ends creating an uninterrupted seal. Peel the protective backing from the exposed side of the installed PENEBAR™ SW-55. Follow standard concrete placing procedures from here onwards.

Application Rates: 787 ft (240 m) PENEBAR™ SW-55 to 1 gal (3.78 Lt) PENEBAR™ PRIMER to the area, where PENEBAR™ SW-55 is to be placed.

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 (2") 50 mm 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.

Contact PENETRON HELLAS for further information regarding your project.

PACKAGING

PENEBAR™ SW-55 is available in two types:

Type A is packaged 30 meters/carton
[6 rolls, 3/4" × 63/64" × 16.4 ft (19mm × 25mm × 5m), each].

Type B is packaged 24 meters/carton
[6 rolls, 23/64" × 63/64" × 13.2 ft (9mm × 25mm × 4m), each].

STORAGE / SHELF LIFE

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

SAFE HANDLING INFORMATION

Avoid skin and eye contact. If contact is made, flush areas with lots of water and seek medical advice. Protective gloves, mask and goggles should be worn. For further information please refer to Material Safety Data Sheet. KEEP OUT OF REACH OF CHILDREN.

WARRANTY – DISCLAIMER

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