

## PENEBAR SW-45 RAPID

### DESCRIPTION

Penebar SW-45 Rapid is a unique sealing compound designed to expand rapidly when exposed to moisture making it a self-healing joint material for construction joint applications.

### RECOMMENDED FOR

Typical Applications for Penebar SW-45 Rapid include building foundations, slabs, retaining walls, storage tanks, and similar non-moving cold construction joints.

### PACKAGING

Penebar SW-45 Rapid is packaged 30 meters/carton.

### DIRECTIONS FOR USE

#### Application:

How to apply Penebar SW-45 Rapid on poured-in-place construction joints:

- Carefully brush off all dust and debris and apply a coat of appropriate Penebar Primer to the area where the Penebar SW-45 Rapid is to be placed.
- Using the heel of the hand and moderate pressure, press a continuous bead of Penebar SW-45 Rapid firmly into position. Check to be certain that the sealant has bonded to 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 Penebar SW-45 Rapid .
- Pour the mating structural member into position.

#### Application Notes

- Always use Penebar Primer to avoid displacement of the Penebar SW-45 Rapid during concrete pouring. It may be necessary to utilize masonry nails or other mechanical means to hold the sealant in place on vertical surfaces.
- Place Penebar SW-45 Rapid so that it is no closer than 2" (5 cm) away from the outer surface of poured structure. If a Keyway is utilized, place the Penebar SW-45 Rapid into the bottom of the formed Keyway area.

### RATE OF RAPID EXPANSION

#### Freshwater Exposure Results

**24 hours** Visible signs of cracking along edges of specimen  
140% Expansion

**48 hours**  
175% Expansion

**72 hours**  
190% Expansion

**120 hours**  
210% Expansion

Splitting along the sides of the specimen. Both ends opening up like a flower blossom

More pronounced splitting along sides and ends

Specimen's expansion became so great that further testing was impracticable.

#### Saltwater Exposure Results

**24 hours**  
7% Expansion No visible sign of deterioration

**48 hours**  
12% Expansion No visible sign of deterioration

**72 hours**  
14% Expansion No visible sign of deterioration

**120 hours**  
18% Expansion No visible sign of deterioration

### PHYSICAL PROPERTIES

DESCRIPTION	TEST METHOD	PENEBAR RAPID SW-45
Color		Black
Specific Gravity	ASTM D-71	1.35± 0.05
Hydrocarbon Content	ASTM D-297	47% min.
Volatile Matter	ASTM D-6	1% max.
Penetration, 150 g cone @77°F (25°C); 5 sec.	ASTM D-217	40±5

Application Temperature Range: -10°F to 125°F (-23°C to 52°C)  
Service Temperature Range: -30°F to 180°F (-34°C to 82°C)

### WARRANTY

ICS 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 ICS PENETRON INTERNATIONAL LTD. shall be limited to replacement of the material proven to be defective and shall in no case be liable otherwise or for incidental or consequential damages. ICS 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 his intended use and assume all risks and liability in connection therewith.