

An elastic hydrophilic waterstop used to seal inside joints in concrete and penetrations. Suitable for use in a variety of waterstop applications.

# SEPA SEAL SH-100™

Single component hydrophilic elastic waterstop

PRODUCT DATA – v1.01.115

## Description

Sepa Seal SH-100 is a single component hydrophilic elastic waterstop sealant ideally suited for preventing water seepage for a variety of construction applications. This modified polyurethane sealant is packaged in an easy to apply cartridge. SH-100 is specially formulated to expand twice its volume in the presence of water and exhibits excellent durability and adhesive strength. SH-100 has been tested to withstand up to 150 ft. of hydrostatic head pressure (3/8" x 3/4" bead). Chemically resistant and highly durable, SH-100 will maintain its watertight performance in the harshest of environmental conditions.

Typical applications:

- Concrete cold joints
- Precast segments (tunnels, utility vaults, manholes, etc.)
- Cast in place pipe penetrations
- "Block out" penetrations

The minimum amount of concrete coverage required depends on the applied bead size. Concrete coverage may range from a minimum of 2" of concrete for a 1/4" bead to 4" for a 1/2" bead. Bead size determines the effective hydrostatic head resistance of the applied SH-100 waterstop.

## Application procedures

Joint waterstops

SH-100 is not suitable as a standalone waterstop for expansion joints. For static construction cold joints SH-100 can be used in place of typical rolled strip waterstops or used to fill rough concrete underneath rolled strip waterstops. SH-100 should be allowed to cure prior to application of the second pour of concrete to mitigate displacement of the installed SH-100 bead. Cure time depends on the relative humidity, ambient temperature and applied bead size.

Penetrations

SH-100 is ideal for application around cast in place and "block out" concrete penetrations. Apply a bead of SH-100 around the circumference of the pipe penetration. The bead size will vary depending on the hydrostatic pressure resistance required and concrete coverage. Consult the Contact Kingfield for technical assistance for specific applications and details.

## Advantages

### Features

Hydrophilic

Single component packaged in a cartridge

Will not emulsify and degrade.

Superior adhesive strength, durability and longevity.

Versatile

### Benefits

Expands in the presence of water up to twice its volume expanding in the path of least resistance to effectively seal cracks and penetrations from water leakage.

Fast and easy to apply. The applicator can control the thickness of the applied product to fit numerous types of applications.

Polymerized sealant will not separate and degrade ensuring the long term effectiveness of the application. SH-100 is stable, and irreversible.

SH-100 is effective for stopping water ingress for a variety of construction applications in a variety of challenging environments.

Multiple applications exist for the application of SH-100 providing effective water stop performance with exceptional ease of use.

## Coverage data

	Ft. per cartridge
1/4" x 1/4"	25'
1/4" x 1/2"	13'
1/4" x 1"	6.3'
3/8" x 3/8"	11.5'
3/8" x 3/4"	5.5'
1/2" x 1/2"	6.5'
1/2" x 3/4"	4.3'
1/2" x 1"	3.2'

## Cure time

		Degrees F	Days to cure
SH-100 Bead Application Size = .39" x .39"	30% Relative Humidity	>90	< 1 day
		75	2 days
		65	2 1/2 days
		55	5 days
		45	10 days
		40	18 days
		<32	>25 days

**Minimum concrete coverage**

	Width of SH-100 Bead	Recommended Minimum Concrete Coverage
2600 PSI Concrete	1/4"	2"
	3/8"	3"
	1/2"	4"

**Hydrostatic pressure resistance**

SH-100 Bead Size	Hydrostatic Pressure Resistance
3/16" x 3/4"	50'
3/8" x 3/4"	150'

**Product data**

	SH-100
Expiry	6 months after manufacture date
Volume / cartridge	320 cc 10.8 oz. 19.5 cubic inches
Cartridges / case	24
Transport	Motor and airfreight OK
Storage	Dry location between 55 – 90 F (13 – 32 C)

**Cleaning**

Utilize a non-solvent based cleaner.

**Health and safety**

Review the MSDS. Always wear OSHA approved personal protective equipment (PPE). Always utilize safe handling procedures.