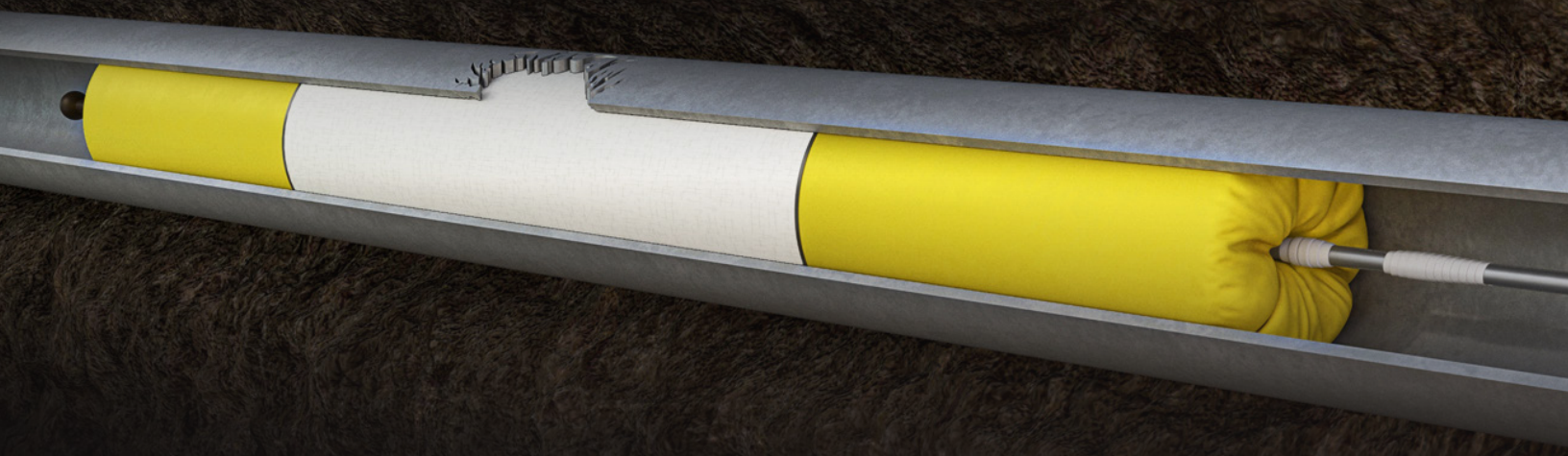
S1E

PipePatch® ONE

THE ALL-IN-1 NO DIG

PIPE REPAIR SYSTEM



INSTALLATION INSTRUCTIONS

*PLEASE READ **ALL** INSTRUCTIONS BEFORE BEGINNING!*

SCAN FOR INSTALLATION VIDEO

NSF ICC ES Complies to IPC Complies to UPC UPC

INSTALLATION INSTRUCTIONS

INSPECTION AND PREPARATION

- Inspect the damaged area with a sewer camera
- Clean the pipe with sewer cleaning tools to remove roots, debris or other objects that could prevent proper installation
- Inspect a second time to verify that pipe is clean

MEASURE THE REPAIR

- Insert camera into pipe and position the camera head at the center of the damaged area
- Mark camera cable with tape at the pipe entry point

PREPARE THE PACKER FOR TEST INSTALL

- Slide a protective sleeve over the packer, ensuring the packer and sleeve lay flat with the folded edges aligned
- Securely tape the protective sleeve to the leading end of the packer. **DO NOT** tape to the air fitting end
- Connect the packer to the flexible push hose using the push lock fitting until you feel it connect
- Secure the fitting with lock clip and tape the connection to prevent unintentional disconnection
- Tie a knot and tape the pull rope to the packer under the protective sleeve on the air fitting end
- Confirm rope is securely attached

TRANSFER THE MEASUREMENT

- Position the camera head at the center of the packer
- Transfer the tape mark from the camera cable to the push hose

PERFORM A TEST RUN

- Twist 6 wire ties around packer and protective sleeve, squeezing packer tight with each tie
- Trim excess wire ties to ½ inch
- **DO NOT** install fiberglass onto the packer at this time
- Insert packer assembly to the point of repair using tape mark as a guide. **DO NOT** inflate
- Remove assembly and check for damage to sleeve or packer

REPLACE THE PROTECTIVE SLEEVE

- Remove protective sleeve and ties from packer
- Replace protective sleeve as outlined in Step 3

INSTALLATION INSTRUCTIONS

ASSEMBLE PACKER & COMPONENTS

- Attach regulator assembly to push hose
- Turn regulator dial counterclockwise until you feel it stop. This prevents air from prematurely inflating the packer

PLEASE NOTE: *Regulator assembly, vacuum assembly and pull rope are* ***reusable*** *for future installations. For consumable replenishment kits, please visit www.s1eonline.com.*

TEST THE EQUIPMENT

- Using regulator, slowly inflate the packer in correct size test pipe to 5 PSI
- Wait 5 minutes and check for air leaks in packer or any connections
- Deflate packer using vacuum assembly
- Ensure packer and sleeve edges are aligned and flat
- Disconnect regulator from push hose and set aside

PREPARE THE PATCH

- Lay out plastic work surface, packer, fiberglass patch and resin bag on a flat surface
- Remove resin from outer bag and remove clip to remove aluminum pouch
- Mix resin thoroughly until it's a consistent peanut butter-like color ***(Note start time on back page checklist)***
- Pour half the resin on fiberglass patch and spread with spatula until fully saturated
- Flip fiberglass and repeat on second side
- Lightly scrape off excess resin with spatula
- **NOTE:** Depending on the size of the repair, you may not use the entire bag of resin

LOAD THE PACKER

- Insert packer into fiberglass and center patch on the packer
- Secure patch tightly with wire ties, using 4-5 equally spaced on the patch and 2 on both ends of packer.
- Trim excess to ½ inch remaining on wire ties

INFLATE THE PACKER

- Insert packer assembly into the pipe using the tape mark from the previously determined measurement
- Connect regulator and inflate packer to 5 PSI
- **NOTE:** The wire ties will release as the packer inflates, allowing the patch to be pressed against the inner surface of the pipe
- Allow for sufficient cure time as instructed on cure chart
- Monitor gauge throughout the curing process for proper air pressure

DEFLATE THE PACKER

- Use vacuum assembly to deflate the packer after the patch has fully cured
- Remove the packer using the pull rope. **DO NOT** use push hose
- Once packer is removed, inspect the repair with your sewer camera

STEP BY STEP INSTALLATION CHECKLIST

Follow along with this checklist as you install PipePatch® ONE.

- ☐ Inspect and clean the damaged area
- ☐ Measure the camera position and mark with tape
- ☐ Prepare the packer for a test install
- ☐ Transfer the measurement from camera to push hose
- ☐ Perform a test run with packer — **DO NOT** inflate
- ☐ Inspect and replace protective sleeve
- ☐ Attach regulator assembly to push hose
- ☐ Test the equipment and inflate packer to 5 PSI
- ☐ Mix resin and spread on fiberglass patch

START TIME: _____

- ☐ Slide patch onto packer's center point
- ☐ Insert packer into pipe and inflate to 5 PSI
- ☐ Deflate packer after appropriate cure time

WINTER RESIN CURE CHART		
Ambient Temp.	Working Mins.	Cure Mins.
33°F	20 - 22	100 - 120
55°F	18 - 20	90 - 110
67°F	16 - 19	75 - 100
73°F	15 - 17	60 - 70

IMPORTANT NOTICE

Installer must examine and determine whether the pipe is structurally sound for this product. Consult factory if necessary.

The resin used in this system is ambient cure and is greatly affected by temperature. Store in a cool place.

Working and curing time will be affected by temperature. Mixing temperature recommended at 70°F. The warmer the resin the less working and curing time! The colder the resin the more working and curing time.

Ensure that the packer is protected in accordance with the installation instructions before wrapping the resin-impregnated patch around the packer.

If the damaged pipe is not cleaned of sharp edges the packer could be punctured.

This is a tested and proven system. Use **ONLY** Source 1 Environmental PipePatch® System Components.

Source 1 (Contract #MIS5484006) 1-800-255-3924