

ABA PRINCIPAL Composite Solution

LEAK REPAIR KIT –

WRAP SEAL QUICK REPAIR KIT FOR PIPE LEAKS

FEATURES:

- Repairs leak in 30 minutes Applicable to pipes up to 18"
- (457 mm) diameter Applicable on any metal or non-metal
- pipes Repairs T-joint, elbow joint, valve thread, valve body
- Withstand pressure up to 400 psi (28 kg/cm²) Withstand
- temperature up to 200 °C (392 °F) Safe for drinking water
- and resistant to most chemicals Reinforce and
- strengthen pipe after repair Permanent repair and extend
- service life of pipes
-

APPLICABLE MATERIAL:

- Steel
- Copper
- Aluminium
- Galvanized steel
- PVC
- CPVC

- Stainless steel
- Polyethylene
- Polypropylene
- Cast-iron
- Concrete
- FRP/GRE
-

CHEMICAL RESISTANCE:

- Oil
- Water (drinking water, wastewater, steam)
- Solvents (acetone, toluene, MEK, ethyl alcohol)

- Mild acids (hydrochloric acid, sulfuric acid) and alkalis
- Chemical (ethylene glycol, xylenes, ammonia)
- Hydrocarbons
- Bases
- Slurries
- Fuels (petroleum, diesels, gasoline)
- Gases (LNG, LPG)
- Organic salts

WORKING TIME (FIBERGLASS TAPE):

1 minute at 30 °C (86 °F)

CURING TIME:

- 30 minutes at 30 °C (86 °F)
- Heat may be applied to decrease curing time
- Unopened foil pouch may be immerse in cold water prior to repair to add working and curing time.

APPLICATION:

- Pipe repairs
- offline repairs
- sealing joints
- hazardous material spill control
- reinforce thinning walls
- Abrasion protection
- Structural reinforcement
- Repairs in hard to reach areas
- Underwater repairs

OPERATING TEMPERATURE:

- Continuous – From -29 °C (-20 °F) up to 200 °C (392 °F)
- Intermittent – From 200 °C (392 °F) up to 320 °C (570 °F)

















OPERATING PRESSURE:

- Recommended for pressure up to 400 psi (28 kg/cm²)
- (Results vary depending on pipe size, type of pipe, hole size, pipe content and method of application)

APPLICABLE INDUSTRIES:



Building & amp; Facilities

-  Electronics
-  Industrial Processing
-  Irrigation
-  Oil & Gas
-  Chemical
-  Manufacturing Plants
-  Marine
-  Military
-  Offshore
-  Food Processing
-  Petrochemical
-  Pharmaceutical
-  Power Generation
-  Pulp & Paper
-  Wastewater
-  Water Distribution

TECHNICAL DATA:

1/2" (15 mm) steel pipe with 1/8" (3 mm) hole
 Pressure tested :when repaired with Wrap Seal withstands 4000 psi
 (281 kg/cm²)
 1/2" (15 mm) steel pipe with 1/2" (13 mm) hole
 when repaired with Wrap Seal withstands 600 psi
 (42 kg/cm²)
 Tensile strength :3920 psi (276 kg/cm²)
 Bond strength :230 psi (16 kg/cm²)
 Tensile
 elongation :1.2 % ± 0.7 %

Compressive strength :13750 ± 530 psi (967 ± 37 kg/cm²)

Yield strength :2260 psi (159 kg/cm²)

Cured hardness :82 Shore D

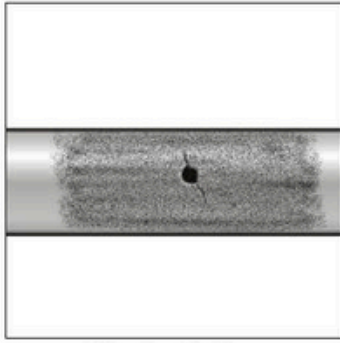
Pipe size	Number of rolls / size required		
	50 psi (4 kg/cm ²) 10 plys	150 psi (11 kg/cm ²) 15 plys	400 psi (28 kg/cm ²) 20 plys
½" (15mm)	1 A	1 A	1 A
¾" (20mm)	1 A	1 A	1 A
1" (25mm)	1 A	1 A	2 A
1¼" (32mm)	1 A	2 A	3 A
1½" (40mm)	2 A	2 A	1 B
2" (50mm)	1 B	1 B	1 B
2½" (65mm)	1 B	1 B	2 C
3" (80mm)	1 B	2 C	2 C
4" (100mm)	1 B	2 C	3 C

Pipe size	Number of rolls / size required		
	50 psi (4 kg/cm ²) 10 plys	150 psi (11 kg/cm ²) 15 plys	400 psi (28 kg/cm ²) 20 plys
5" (125mm)	2 C	2 C	3 C
6" (150mm)	2 C	2 C	4 C
8" (200mm)	2 C	3 C	5 C
10" (250mm)	3 C	4 C	6 C
12" (300mm)	4 C	5 C	8 C
14" (350mm)	4 C	6 C	8 C
16" (400mm)	5 C	7 C	9 C
18" (450mm)	5 C	8 C	9 C
> 18" (450mm)	Contact SealXpert for recommendations		

Roll size	A (2" x 5') (50mm x 1.2m)	A (2" x 6') (50mm x 1.8m)	B (2" x 12') (50mm x 3.6m)	B (3" x 9') (75mm x 2.7m)	C (4" x 12') (100mm x 3.6m)

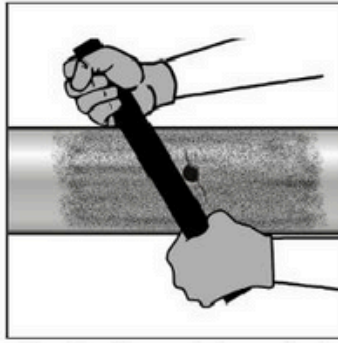
WRAP SEAL OFFLINE LEAK REPAIR PROCEDURE:

1



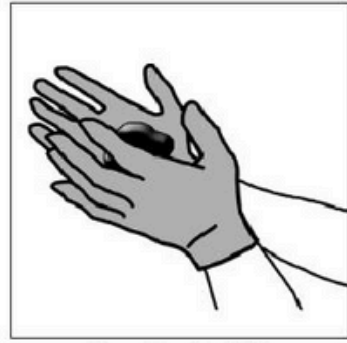
Stop the pipe flow

2



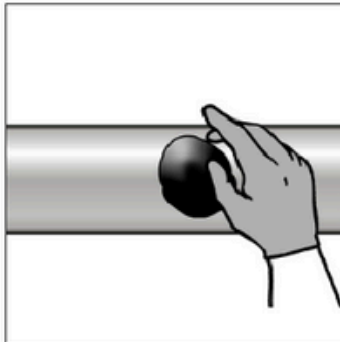
Roughen the area to be repaired

3



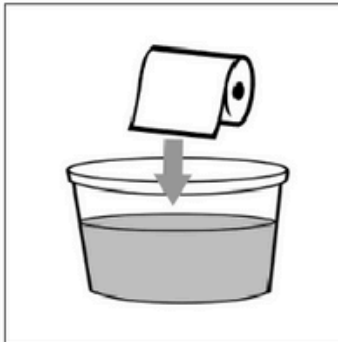
Knead the Seal Stic

4



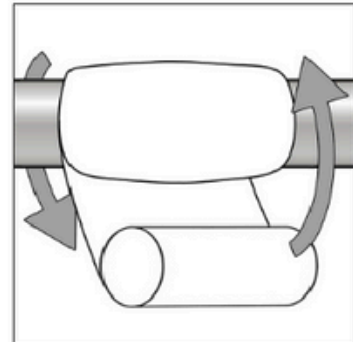
Apply the Seal Stic to fill in holes or crack of the damaged or leak area.

5



Immerse the Wrap Seal Fiberglass Tape into water

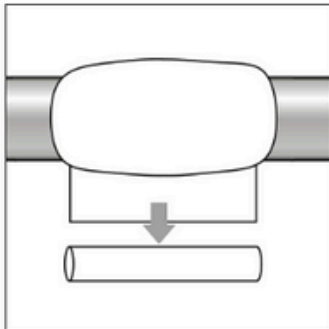
6



Wrap the Wrap Seal Fiberglass Tape around the repair area as tightly and evenly as possible, using the entire

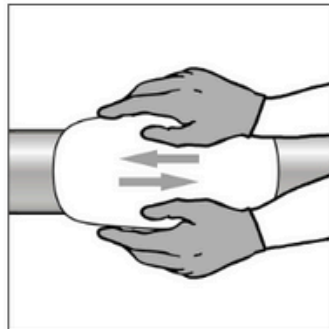
roll

7



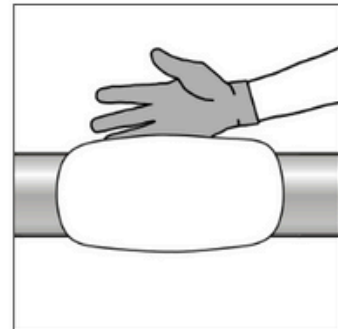
Discard the plastic tube at the end of the roll

8



Wet gloves in water and quickly compress the bubbling resins back into the fiberglass wrap

9



Continue to polish the wrap until all bubbling has stopped. Repair completed with smooth and hard ivory appearance

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PACKAGE:

- o 1 roll of Wrap Seal Fiberglass Tape
 - o 2" x 5' (50 mm x 1.2 m)
 - o 2" x 6' (50 mm x 1.8 m)
 - o 2" x 12' (50 mm x 3.6 m)
 - o 3" x 9' (75 mm x 2.7 m)
 - o 4" x 12' (100 mm x 3.6 m)
- o 1 unit of Seal Stic Quick Cure Epoxy 1
- o pair of latex gloves Operating
- o instruction