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INSTRUCTIONS FOR USE

POLYWATER® NO FLOW POLE REPAIR SEALANT
(UPR-NF)



POLYWATER® NO FLOW POLE REPAIR SEALANT

Polywater No Flow Pole Repair Sealant (UPR-NF) repairs woodpecker damage and pole line hardware holes. Use it to fill irregularly shaped cavities and hole damage of all sizes. It integrates into the wood and withstands weather extremes. UPR-NF can be used to repair all types of wood poles.

INSTALLATION

Installation temperature:

20ºF to 100ºF (-6°C to 43°C)

In-service temperature:

-40°F to 150°F (-40°C to 65°C)

- Keep cartridge above 40°F (4°C) for cool weather application.
- Remove standing water and debris from hole.
- Inject material rapidly for best performance.

SAFETY

- Wear eye protection.
- Use protective gloves and protect bare skin.



Remove all debris and water from the hole

1. Measure the depth and diameter of the hole to determine the quantity of UPR-NF needed. See Table 1 or Table 2 below. Each cartridge will fill approximately:

UPR-NF 250 mL: 50 cubic inches (820 cubic centimeters).
UPR-NF 600 mL: 120 cubic inches (1960 cubic centimeters).

Note: For a small hole, fill the hole just under half full with UPR-NF.



Wrap hole with stretch wrap

2. Wrap 2 to 3 layers stretch film around pole, covering the hole and forming a seal to contain the UPR-NF. The stretch wrap should cover at least 4 inches (10 cm) below hole. Leave a small access port to inject UPR-NF in the top of the wrap.



Insert cartridge into high-ratio caulking tool

3. Remove UPR-NF cartridge from pouch.

Holding cartridge upright, remove nut and plug. Plug can be saved for re-use of cartridge. Attach static mixer and screw on tight.

Use a standard, high-ratio caulking tool to install UPR-NF. For best performance use Polywater **Cat. # TOOL-250** for 250 mL or **TOOL-600** for 600 mL cartridge.

NOTE: Do not remove cartridge from protective plastic pouch until ready to use.



Insert static mixer and rapidly inject material into hole

4. Insert static mixer into the port through the top of the stretch wrap. **Do not prime cartridge first.** Rapid injection will produce better mixing. For best results inject no more than:

3 cartridges sequentially for UPR-NF 250 mL
1 cartridge sequentially for UPR-NF 600 mL

Wait 3 minutes to add additional cartridges.



Cover injection port with stretch wrap

5. After injecting the final cartridge of UPR-NF, cover the access port with stretch wrap. UPR-NF will thicken right away and then foam and rise, filling the hole over the next 5 to 10 minutes. If the fill is incomplete, additional UPR-NF may be added to finish the fill. UPR-NF will adhere to wood and to itself.

After the hole is filled, the stretch wrap can be removed around the hole by cutting the wrap on each side with a knife.

TABLE 1 UPR-NF 250 ML

DEPTH INCHES (CM)	PRODUCT QUANTITY	DIAMETER INCHES (CM)				
		5 (12.5)	6 (15)	8 (20)	10 (25)	12 (30)
6 (15)	Cartridge(s)	1.5	3.5	5.5	9	13
8 (20)	Cartridge(s)	2	4	7.5	11.5	16.5
10 (25)	Cartridge(s)	2.5	5.5	9.5	15.5	20
12 (30)	Cartridge(s)	3	6.5	11	17	24
14 (35)	Cartridge(s)	3	7.5	13	19	29
16 (40)	Cartridge(s)	4	8.5	15	23	31
18 (45)	Cartridge(s)	4	9.5	17	26	37

TABLE 2 UPR-NF 600 ML

DEPTH INCHES (CM)	PRODUCT QUANTITY	DIAMETER INCHES (CM)				
		4 (10)	6 (15)	8 (20)	10 (25)	12 (30)
6 (15)	Cartridge(s)	1	1.5	2.5	4	5.5
8 (20)	Cartridge(s)	1	2	3	5	7
10 (25)	Cartridge(s)	1	2.5	4	6.5	8.5
12 (30)	Cartridge(s)	1.5	3	4.5	7	10
14 (35)	Cartridge(s)	1.5	3	5.5	8	12
16 (40)	Cartridge(s)	2	3.5	6.5	9.5	13
18 (45)	Cartridge(s)	2	4	7	11	15.5

ADDITIONAL INSTRUCTIONS TIPS

Clogged/Leaking Cartridge

The small orifices in the cartridge tip may become clogged. Poke through and loosen hard material or crust with a wire. Material may be used as directed once the clog is cleared. If the static mixer is fully clogged, a new static mixer may be used in its place. If the back plug is leaking, do not use cartridge.

Re-use and Cleanup

Cartridge can be reused for several weeks after initial use. Remove static mixer and visually ensure that orifices are not blocked. Seal with replaceable plug and nut. When ready to use, remove end cap assembly and check to make sure orifices are clear of any hardened sealant. Attach a new, unused static mixer and insert used cartridge into application tool.

Unreacted material may be cleaned from surfaces with a solvent wipe such as Polywater Type HP™ Cleaner. Part A amber resin will react with water if surfaces are washed with soap and water solution. Once reacted, material has strong adhesion, and may be scraped or cut from surface. For skin contamination, wash thoroughly with soap and water.

See SDS for further information.

Water in Hole

Remove any standing water. UPR-NF will incorporate water into the cure. Water and/or contamination will weaken the cured material.

Cold Weather Use

UPR-NF can be used in temperatures down to 20°F (-7°C). Thereaction is slower but UPR will completely foam and cure with time. At cold temperatures, the UPR-NF becomes slightly viscous and flows through the static mixer at a slower rate.UPR-NF cartridge should be between 50°F (10°C) and 80°F (27°C) when applied.

STORAGE AND HANDLING

Keep containers cool, dry, and away from sunlight. Leave cartridges in the protective plastic pouch until ready to use/reuse.

Product shelf life is 18 months. Shelf life is one month after the product is opened.

Partially used cartridge: Remove static mixer immediately after use and replace the cap for later use.

Alternative Use: Pole Top Repair



Remove all debris.

1. Remove any loose debris in cavity. Square top by sawing away jagged pieces.



Size canvas to pole.

2. Drape the canvas over the pole, ensuring the canvas is centered.



Attach Canvas to pole.

3. Staple the canvas to the side of the pole approximately 1-2 inches (2.5-5 cm) from pole top. Staples should be no more than ½ inch apart.

Leave an opening 2 to 3 inches (5 to 7.5 cm) wide to allow insertion of the static mixer.



Inject UPR-NF on top of pole. Move static mixer tip while injecting.

4. Remove nut and plug and attach static mixer to all cartridges that are going to be used. Load caulking gun with Polywater UPR-NF cartridge and insert static mixer under canvas through opening. Starting with the static mixer pushed in as far as possible, move static mixer side to side while injecting UPR-NF quickly, slowly pulling the static mixer toward the opening of the canvas.

5. See usage chart. Use as a starting point only. Actual required quantity will vary:

POLE TOP DIAMETER	UPR-NF 250 ML
6 inches (15 cm)	1 Cartridge
8 inches (20 cm)	2 Cartridges
10 inches (25 cm)	3 Cartridges
12 inches (30 cm)	4 Cartridges



Finished Pole Topper.

6. Ensure that the pole top surface is completely covered with UPR-NF. After injecting the last cartridge staple opening closed.

The canvas will push the UPR-NF into the wood and the canvas will dome about 1 inch (2.5 cm). This dome will help shed water.

Trim excess canvas below staples if desired.

CONTACT US

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IMPORTANT NOTICE: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end- user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

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