



**ADVANCED POLYMER, INC.**

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## API-WP40

API-WP40 is a low VOC water repellent designed for use on both wood and masonry substrates. API-WP40 dries to a clear finish leaving the appearance of the treated surface unchanged. It is recommended that API-WP40 be diluted and applied by itself, but it may also be blended with polyurethane, acrylic, wax, or silicone emulsions. API-WP40 imparts pronounced and long lasting water beading.

### CHARACTERISTICS

- Protects wood, brick, cement block and stucco against water and moisture.
- Non-yellowing, assures color stability.
- Can be formulated with other surface coating resins.
- Allows the substrate to “breathe”



Wood treated with API-WP40



Concrete treated with API-WP40

### RECOMMENDATIONS

The pH of prepared dilutions of API-WP40 should not drop below 8.0. If the pH of the dilution falls below 8.0, instability may occur. Add API-WP40 as the last component to the formulation making sure that the pH of the system to which API-WP40 is added is greater than 8.0.

API-WP40 and formulations containing API-WP40 are sensitive to shear. High speed mixing, or high pressure flow through a small nozzle or filter, could cause a precipitate to form producing instability.

### TYPICAL PROPERTIES

Appearance:	White Liquid
Solid Content:	29%
pH:	10.0
Carrier Solvent:	Water
Volatile Organic Content:	45 g/L
Specific Gravity (25°C):	1.00

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## API-WP40

### FORMULATION

Clear Sealer for Wood  
Suggested Formulation

Ingredient	Weight (%)
Softened Water <sup>1</sup>	82.8
Biocide <sup>2</sup>	As needed
API-WP40	17.2

1 Prepare softened water - 0.5% Versene 100 Chelating Agent (Dow Chemical) + 99.5% tap water. The pH of softened water should be approximately 8 - 10. If Deionized water is preferred adjust the pH to 8 - 10 using ammonium hydroxide.  
2 Please consult with a biocide manufacturer for best recommendation and challenge study.

It is important to add the API-WP40 as the last component of the formulation. Mix the above formulation using a low shear paddle mixer at low to medium speed.

### APPLICATION

The above formulation may be applied via brush or roll methods. Two coatings are recommended for optimal performance. For best results allow 24-48 hours for drying/curing.

### PACKAGING

API-WP40 is available in 8 oz samples  
and 441 lb drums.

### STORAGE

Protect API-WP40 from freezing. Perishable if frozen.

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**I want to know more!**

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You may also be  
interested in . . .

- API-WP30
- AP-0280

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