



Green Polyurethane™ Indoor Paint/Coating Application Instructions PI9W & PI9W-CP (different colors)

Rev. – 8.14.11

Different colored paint/coatings of **PI9W** and **PI9W-CP** (corrosion resistant) are designed for indoor applications

Composition	<p>A two-component nonisocyanate epoxy-urethane paint (different colors), parts:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">A (base)</td> <td style="text-align: center;">B (curing agent)</td> </tr> <tr> <td style="text-align: center;">by volume</td> <td style="text-align: center;">100</td> <td style="text-align: center;">40</td> </tr> <tr> <td style="text-align: center;">by weight</td> <td style="text-align: center;">100</td> <td style="text-align: center;">30</td> </tr> </table>		A (base)	B (curing agent)	by volume	100	40	by weight	100	30
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Mixing	<p>Pre-condition: The PI9W & PI9W-CP product must rest at + 50-77 °F (+ 10-25 °C) for a minimum 24 hours before using. Once ready to use, thoroughly pre-mix component A and B separately before use in order to disperse pigmentation (and some modifiers) evenly into solution (not required for natural color material). Pre-mix containers with a Jiffy mixer (see Figure 1) for a minimum of 3 minutes until a homogeneous mix with no streaks is achieved. Recommended speed of stirrer is 300-400 rounds per minute. In the case of big volume containers (drums or pails), accurately measure required volume of components A and B in separate, clean, graduated, plastic containers. Keep mix batch sizes to 3 gallons or less to allow for adequate time to apply the mixed product within the pot life of the material.</p> <p>PI9W & PI9W-CP may be packaged into small containers. Therefore component B should be placed directly into container A. Mix the two components together with a Jiffy mixer for 2 minutes. Recommended speed of stirrer is 300-400 rounds per minute. Keep mixing blade submerged to avoid bubbles and pay special attention to the corners. After mixing, immediately begin application.</p>									
Surface Preparation	<p>Surfaces must be properly prepared, clean and sound, prior to application of PI9W or PI9W-CP. Prepare surfaces by mechanical means such as sandblasting, shot blasting, grinding, etc. Remove any dirt, dust, oil, grease, laitance, rust, scale, paint, curing compounds, acids, chemicals or any other contaminants. Remove oil and grease with a degreaser.</p> <p><u>Concrete (or cement cover, gypsum, plaster walls):</u> Allow new concrete (or cement cover) to cure for a minimum of 30 days, prior to application of PI9W. Apply a thin prime coat of conventional primer used for epoxy or polyurethane systems. The thickness of the primer layer should be sufficient to seal all the pores, cracks, to fill voids, and other physical imperfections of the substrate, avoid pin holing and ensure a smooth surface coating.</p> <p><u>Metals:</u> Apply a thin prime coat of conventional primer used for epoxy or polyurethane systems. The primer for PI9W paint should have an anticorrosive additive; however PI9W-CP does not require an anticorrosive additive.</p> <p><u>Woods:</u> Apply a thin prime coat of conventional primer used for epoxy or polyurethane systems of wood application.</p>									
Substrate Repairs	<p>Repair all spalls and cracks to appropriate standards; fill control joints, cracks and spalls.</p>									



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Application Methods	<p>Apply the mixed material with a short nap roller or a brush.</p> <p>A spray application may require the use of a thinner. Recommended thinners are: ethoxypropyl acetate, butylene glycol and other conventional thinners used for epoxy base paints.</p> <p>Contact the manufacturer for further application guidelines.</p>
Repairs and Maintenance	<p>Small repairs to cuts in the coating can be made by brushing on PI9W or PI9W-CP, after scuffing the damaged area with a sander. Re-applying PI9W or PI9W-CP after 24 hours of initial application generally requires the use of sanding to achieve optimum adhesion.</p>
Clean-up and Disposal	<p>Clean skin with soap and water. Immediately clean spillages, equipment and tools with warm water and soap (trisodium phosphate may be used) or with a solvent (e.g. ethanol or methyl ethyl ketone) while the product is still wet. Cured product can only be removed mechanically. Cured product may be disposed of without restriction. Un-cured hardener and resin portions should be mixed together and disposed of in a normal manner.</p>
Storage, Shipping and Handling	<p>Keep in a well-ventilated place in tightly sealed containers. Protect from frost. Keep away from heat, direct sunlight and acids. Store product in a dry location in factory sealed containers at 50 to 90°F (10-32°C). Product shelf life is minimum 6 months in factory-sealed containers.</p> <p>PI9W or PI9W-CP component A and cured materials are Class 55, not regulated by US DOT shipping regulations. PI9W or PI9W-CP component B has US DOT Hazard Class 8 (corrosive).</p> <p>Avoid contact with skin and eyes, inhalation of high concentration of vapors. Use only in well ventilated areas. When using do not eat, drink or smoke.</p>
Safety	<p>Refer to Material Safety Data Sheets</p>

Application temperature	°F (°C)		+ 50-77 (+ 10-25)		
Pot life at temperature:	°F (°C) min		50 (10) 60	59 (15) 40	77 (25) 20
Curing time at temperature:	°F (°C)		50 (10)	59 (15)	77 (25)
❖ Dry-To-Touch Time	hours	ASTM D1640	12	8	4
❖ Walk on	hours		48	30	24
❖ Full cure	days		14	10	7

Note: At higher temperatures the time of hardening and pot life are reduced.

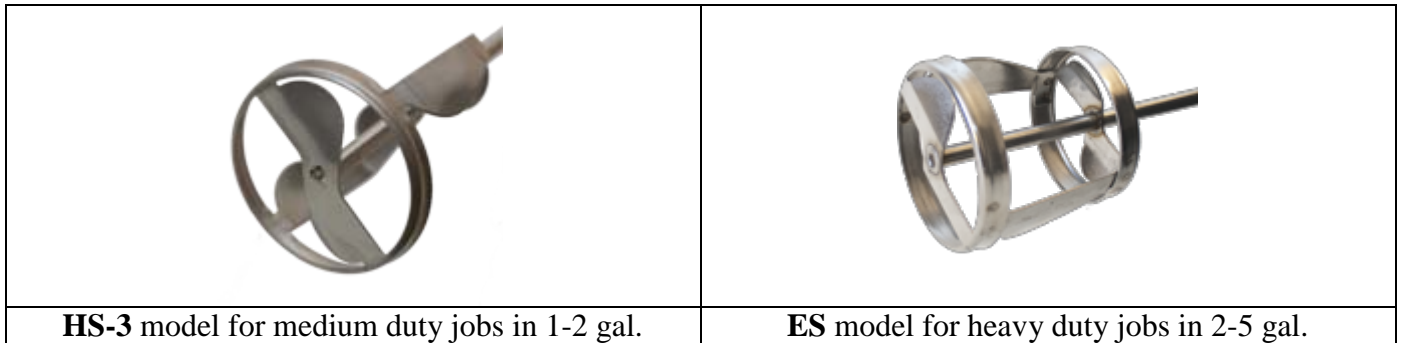


Figure 1. Examples of Jiffy mixers.