



Industrial Polymers Corporation Primer 800-252

Technical Data

Revision date: 05/17

DESCRIPTION	Primer 800-252 is a single component primer used to increase the adhesion of polyurethane elastomers to metallic, ceramic and cured polyurethane surfaces. Primer 800-252 cures at ambient temperatures and provides a strong bond that in many cases exceeds the strength of the elastomer. This primer may be applied by spraying, brushing or dipping. In service at ambient temperatures it is resistant to fresh and salt water, many chemicals and other environmental conditions.														
APPLICATION	<p>Substrates must be properly prepared before primer is applied. Loose rubber should be cut away and all traces of oil, grease or dirt must be removed with a detergent or solvent. For heavily oxidized surfaces, the surface should be buffed with a wire wheel or very course sandpaper to produce a "suede-like" texture. Buffing on plastic or rubber surfaces too quickly or with too much pressure will create heat and produce an unacceptable sticky surface. All edges or joints should be tapered or "feathered".</p> <p>NOTE: Contaminates such as oil or grease will interfere with the primer bond.</p> <p>Primer 800-252 is supplied as a single component system and requires no premixing before applying.</p> <p>Primer 800-252 may be applied with a brush or roller. Processing with spray equipment can be done with proper control of over spray and respiratory safety gear.</p> <p>The primer should be applied in a thin wet coat beginning at the bottom of the item being primed. Runs should be avoided and excess primer should be wiped or brushed from the surface. Poor adhesion of the urethane elastomers to the substrate will occur if the primer is applied too heavy. When applying the primer to a severely aged surface the substrate should be roughened and the primer "scrubbed" into the surface with a stiff brush in order to achieve intimate contact with the elastomer. An electric drill and wire brush can also be used to prepare the aged rubber surfaces to a "suede appearance".</p>														
PROPERTIES	<table border="0"> <tr> <td>Viscosity @ 72°F</td> <td>10 cps</td> </tr> <tr> <td>Color</td> <td>Clear</td> </tr> <tr> <td>Dry Time @ 72°F</td> <td>Slightly tacky 30-45 minutes</td> </tr> <tr> <td colspan="2">*Dry time depends on temperature and relative humidity</td> </tr> <tr> <td>Coverage rate @ 10 mils (wet)</td> <td>160 sq. ft.</td> </tr> <tr> <td>Specific Gravity:</td> <td>.941</td> </tr> <tr> <td>Weight/Gallon</td> <td>7.85 lbs.</td> </tr> </table>	Viscosity @ 72°F	10 cps	Color	Clear	Dry Time @ 72°F	Slightly tacky 30-45 minutes	*Dry time depends on temperature and relative humidity		Coverage rate @ 10 mils (wet)	160 sq. ft.	Specific Gravity:	.941	Weight/Gallon	7.85 lbs.
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CLEAN UP	Equipment should be cleaned soon after use to prevent primer from curing in internal parts of equipment. Toluene can be used to clean equipment. Sufficient solvent should be run through the spray machine to remove all traces of primer. Empty Primer 800-252 containers should be disposed of in accordance with local, state and federal regulations. Empty containers can be rendered non-hazardous by rinsing the containers with a small amount of mixed material and allowing the solvents to evaporate.														
STORAGE AND SHELF LIFE	Primer 800-252 is shipped from the factory in sealed containers has an expiration of 6 months for date of manufacture. Containers should be stored in a cool dry area that is protected from direct sunlight and moisture. Storage temperature should not exceed 80°F. The shelf life of factory sealed containers stored under these conditions is six months. After the Primer 800-252 is opened the shelf life is one to two months. Containers that have been opened should be resealed immediately after material has been removed in order to prevent moisture contamination and solvent evaporation. Do not Use the Primer 800-252 if the liquid has a thick consistency with a "milky" appearance.														