

**SURFACE PREPARATION GUIDE FOR CRL SILICONE SEALANTS - \*NON STRUCTURAL USE ONLY**

Optimum performance of CRL Sealants depends on proper surface preparation and often the use of a primer. As in all cases, the chosen substrate should be tested for adhesion and compatibility prior to sealant application.

Substrate	Surface Preparation	CRL 33S		CRL RTV408		CRL 95C	
		Recommend- ation	Primer	Recommend- ation	Primer	Recommend- ation	Primer
<b>Concrete &amp; Masonry</b>							
Brick	Abrade	Do not use		OK	P23T	OK	None Req.
Concrete Block	Abrade	Do not use		OK	P23T	OK	P23T
Poured Concrete	Abrade	Do not use		OK	P23T	OK	P23T
Precast Concrete	Abrade	Do not use		OK	P23T	OK	P23T
Tilt-Up Concrete	Abrade	Do not use		OK	P23T	OK	P23T
Mortar	Abrade	Do not use		OK	P23T	OK	P23T
Grout	Abrade	Do not use		OK	P23T	OK	P23T
Plaster	Abrade	Do not use		OK	P23T	OK	P23T
<b>Stone</b>							
Travertine	Abrade/Solvent wipe	Do not use		OK	P23T	OK	P23T
Granite	Abrade/Solvent wipe	Do not use		OK	P23T	OK	None Req.
Marble	Abrade/Solvent wipe	Do not use		OK	P23T	OK	P23T
Limestone	Abrade/Solvent wipe	Do not use		OK	P23T	OK	P23T
Sandstone	Abrade/Solvent wipe	Do not use		OK	P23T	OK	P23T
<b>Glass</b>							
Insulating	Solvent wipe	Do not use		OK	None Req.	OK	None Req.
Float, Plate, Sheet	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Laminated <sup>4</sup>	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Tinted	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
<b>Porcelain-Coated</b>							
Material	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Ceramic Tile, Glazed	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Vitrified Surfaces	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Reflective Glass	Solvent wipe	Call CRL		OK	None Req.	OK	None Req.
Low (E) High (T)							
Class	Solvent wipe	Call CRL		OK	None Req.	OK	None Req.
<b>Paints</b>							
Acrylic Latex	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Acrylic Thermoset	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Silicone Alkyd	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Silicone Acrylic	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Polyurethane	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
<b>Polyvinyl Chloride (PVC)</b>							
Material	Solvent wipe	OK	P10T	OK	P10T	OK	None Req.
Silicone Polyester	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
<b>Flouropolymer</b>							
KYNAR	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
DURANAR	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
FLUOROPON	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
DURANAR XL	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
<b>Plastics</b>							
Acrylic Sheet	Solvent wipe	OK	P10T	OK	P10T	OK	None Req.
Polyester/Fiberglass	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
<b>Epoxy Aggregate</b>							
Material	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Polycarbonate Sheet	Solvent wipe	OK	P10T	OK	P10T	OK	None Req.
Polystyrene	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
Polyvinyl Chloride	Solvent wipe	OK	P10T	OK	P10T	OK	None Req.
Polyester Aggregate							
Panel	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
<b>Rubber</b>							
Butyl	Solvent wipe	Test <sup>5</sup>	None Req.	Test	None Req.	OK	None Req.
EPDM	Solvent wipe	Test	None Req.	Test	None Req.	OK	None Req.
Neoprene	Solvent wipe	Test	None Req.	Test	None Req.	OK	None Req.
Polyurethane	Solvent wipe	Test	None Req.	Test	None Req.	OK	None Req.
Acrylic	Solvent wipe	Test	None Req.	Test	None Req.	OK	None Req.
Vinyl	Solvent wipe	Test	None Req.	Test	None Req.	OK	None Req.
Silicone Rubber	Solvent wipe	OK	None Req.	OK	None Req.	OK	None Req.
<b>Metals</b>							
Aluminum - Alodine	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
<b>Aluminum - Mill Finish<sup>12</sup></b>							
Material	Abrade/solvent wipe	OK	P10T	OK	P10T	OK	None Req.
Aluminum - Anodized	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Copper	Abrade/solvent wipe	Do not use		Do not use		OK	None Req.
Lead	Abrade/solvent wipe	Do not use		OK	None Req.	OK	None Req.
<b>Steel</b>							
Red Lead Primer	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Weathered	Abrade/solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Stainless	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Galvanized	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Cold Rolled	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
<b>Woods</b>							
Unfinished	Solvent wipe	OK	P10T	OK	None Req.	OK	None Req.
Finished	Solvent wipe	See the appropriate coating above.		See the appropriate coating above.		See the appropriate coating above.	

\*These recommendations apply for Weatherseal applications only and are NOT intended for Structural Glazing Applications.

Job specific stain testing should be done for both sealant or primer, because masonry and stone porosity varies.

Abrade = Mechanical surface preparation such as wire brush or sand blast. Should always be followed by residual dust removal.

Solvent wipe = Wipe with clean, oil-free rag, wet with industrial solvent such as mineral spirits, naphtha, isopropyl alcohol (IPA), or ketones (MEK or MIBK). Test small sample to ensure solvent does not affect finish. Allow surface to thoroughly dry before applying sealant.

CAUTION: When using solvents or primers always provide adequate ventilation and keep away from heat, sparks and open flames.

Follow all precautions given on the solvent container label and Material Safety Data Sheet. Additionally, always check compatibility of substrate with cleaning solvent or primer before full-scale use. Follow local, state and federal regulations for solvent use.

<sup>4</sup> Laminated glass with polyvinyl butrol (PVB) inter layers may delaminate up to 1/4 inch (6 millimeters) when in contact with a sealant.

<sup>5</sup> Perform stain test before application of sealant.