



Phone (800) 421-6144 • Fax (800) 262-3299

CRL Water Clear Application Recommendations

Cat. No. WCS1 and WCS5

Water Clear sealant is an optically clear one-part silicone sealant that cures in the presence of atmospheric moisture to produce a durable and flexible silicone rubber. Water Clear Silicone Sealant is intended for building construction applications and is particularly effective for glazing butt and lap shear joints and sealing curtain wall projections and other glass, plastic and metal assemblies. It is also appropriate for general construction and industrial applications.

Composition and Materials:

Water Clear Silicone Sealant is a silicone material that is chemically stable and shows little change in physical properties after exposure to sunlight, rain, snow, ozone, temperature extremes and weathering.

Water Clear Silicone Sealant cures quickly with a tack-free time of 10 minutes.

Water Clear Silicone Sealant adheres to clean metal, glass, most types of wood, silicone resin, ceramic, natural and synthetic fiber, and most painted surfaces.

Application Limitations:

Water Clear Silicone Sealant is not recommended for use in the following applications:

- Glazing or edge sealing of insulating glass.
- Building materials that might bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes.
- Confined Spaces. The sealant requires atmospheric moisture for cure.
- Surfaces which will be painted. The paint film will not stretch with the extension of the sealant and may crack and peel.
- Concrete, masonry, limestone, marble, travertine, granite or other stone surfaces.
- Copper, brass, magnesium, zinc, or galvanized surfaces.
- Continual submersion in water (ie: marine or aquarium applications).
- As a structural adhesive.

Surface Preparation:

IMPORTANT NOTE: DO NOT USE CLEANERS THAT CONTAIN **AMMONIA** TO CLEAN SUBSTRATES BEFORE APPLYING WATER CLEAR SEALANT.

All surfaces should be clean, dry, frost free, sound and free from any greases, oils or incompatible sealers, paints or coatings that may interfere with adhesion.

Porous Substrates: clean by mechanical methods to expose a sound surface free of contamination and laitance.

Non-Porous Substrates: for cleaning non porous substrates, use two rag method using approved cleaner below. Substrate must be dry before applying sealant.

SPECIAL NOTE: Do not use cleaners that contain ammonia, or strong-based cleaners such as 409™ or Windex® immediately after product application. Allow for full cure of the Water Clear Sealant, typically 7 days.

USE ONLY CRL Cat. No. S50 Glass Cleaner, Isopropyl Alcohol (IPA), or IPA/Water mixtures at 75% IPA/25% water to clean substrates before application of Water Clear Sealant and to clean glass adjacent to the Water Clear Silicone until full cure of the sealant.