

Use of Disinfectants in Insulating Glass Assembly Areas

This technical bulletin describes recommended usage of disinfectant compounds in and around insulating glass assembly areas.

During periods of increased risk of bacterial or viral infection, manufacturing facilities may wish to employ the use of various types of disinfecting products on their equipment and surfaces to reduce the risk that employees may contract or spread these diseases. Commonly used disinfectant solutions range from alcohols to iodine-based solutions to quaternary ammonium compounds. At the time of this writing, a relatively comprehensive list of chemical disinfectants, their modes of action, and their efficacies can be found here: <https://www.cdc.gov/infectioncontrol/guidelines/disinfection/disinfection-methods/chemical.html>.

With respect to usage in an insulating glass manufacturing facility, the most preferred disinfectants are solutions of 60-70% (v/v) isopropyl or ethyl alcohol. 70% isopropyl alcohol (IPA) is commonly used as a solvent to clean glass and spacer components and quickly evaporates from surfaces it is applied to.

When alcohol-based disinfecting agents are unavailable or impractical, other chemical agents may be used as required. However, these materials should be used on surfaces requiring disinfection only. Prior to running equipment, disinfectants must be allowed to dry from the surfaces they have been applied to. A general rule of thumb is to apply the disinfectant and allow to dry for at least 10 minutes before allowing the surface to contact anything else. Always use disinfectant agents in accordance with the manufacturer's instructions.

Clear glass may be disinfected as necessary prior to washing before assembly. Disinfectant contact with low-E coatings is not recommended. Disinfectant contact with unfinished IG (e.g. IG that has sealant, spacer, or muntins applied but is yet unsealed) is not recommended. Incidental disinfectant contact with finished IG is acceptable, but care should be taken not to douse or flood the sealant channel with disinfecting solution.

For additional questions, please contact your H.B. Fuller sales or technical representative.

Document History

Date	Version	Description of Changes	Changed by	Approved by
04/09/20	1.0	Initial Document	B. White	B. White

IMPORTANT: The information, specifications, procedures, and recommendations herein (together "information") are based on our experience and we believe these to be accurate. No representation, guarantee, or warranty is made as to the accuracy or completeness of the information or that the information will avoid losses or damages or give desired results. It is the purchaser's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. No employee, distributor, or agent has any right to change these facts and offer a guarantee of performance, goodwill, or any indirect or consequential losses arising out of or in connection with product supply.

NOTE TO USER: by ordering/receiving product you accept the **H.B. Fuller General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, **the total aggregate liability of H.B. Fuller** for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, **is limited to replacement of affected products or refund of the purchase price for affected products.** H.B. Fuller shall not be liable for **loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses** arising out of or in connection with product supply.