Proper Cure of Silicones

Date: **Aug 20, 2021**

Supersedes Date: **Sep 25, 2001**

Bulletin Number: **#12**

ICD performs compatibility tests on many sealants and adhesives as a service to architects, Approved Factory Fabricators (AFFs) and glazing contractors.

Each individual material is applied, cured and tested with ICD products. These materials are tested individually and not in conjunction with multiple sealants. For multiple component testing, the possible combinations would be endless. It is then important to consult each sealant manufacturer to acquire compatibility information between their materials and those of other manufacturers.

As a rule, when an approved sealant is used to attach wall cladding, according to both ICD's and the sealant manufacturer's recommended methods, the minimum specified amount of time should be allowed for full curing of the attaching sealant prior to the addition of perimeter, butt joint or other joint seals. Failure to do so may trap cure solvents in the sealed air space and cause adverse reactions to the sealant, coating or both. Reactions may be observed in the form of staining, blotching, blistering, cure failure, adhesion loss or any combination of these.

Silicone coatings and the sealants used have chemistries that differ from one another. There are situations where using two silicones that may be individually compatible with the coating will cause an adverse reaction when combined (even in close proximity) in the same application.

It is important to reemphasize the need for glaziers and installers to consult all material manufacturers for advisories on the suitability of use and recommended installation methods prior to beginning the project.

Please call ICD Technical Services, at (360) 546-2286, regarding any questions about the information provided in this bulletin.