

Sealant and Caulk Tips & Facts by Nucor

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- 1. Never use a common 100% RTV Silicone caulk that contains acetic acid. This type of silicone will smell like vinegar when applying. It will cause bare metals such as galvanized, Galvalume®, Galvalume Plus® to rust. This type silicone has very poor adhesion to metal building metal substrates.**
- 2. If you want to use a clear caulk/sealant due to the metal color, only use Schnee-Morehead Poly-Glaze® Plus Neutral Silicone Sealant. It has good adhesion to metal building metal substrates and is not corrosive to metal.**
- 3. The best general purpose colored sealant for metal building substrates is Schnee-Morehead's, Permthane® SM-7108 One Part Polyurethane Sealant. It will outperform all other polyurethane sealants in adhesion to metal building metals and will not cause rust on bare metal and does not require a primer to achieve excellent adhesion. There is a polyurethane sealant in the market (Sonneborn NP-1) that will cause rust to form on bare metal due to its formulation and has poor adhesion to the bare metals. Polyurethanes cannot be made in clear color.**
- 4. For best adhesion results, before applying a caulk, you should at least dry wipe the surface first.**
- 5. A convenient "hand cleaner" for removal of caulk from worker's hands on the job site is WD-40.**
- 6. Never use an asphalt based "sealant" on a roof leak as these products will dry out, harden, and crack within one to two years after applying and you can only repeat the process with the same material, over and over.**
- 7. Never use an acrylic latex caulk or sealant to seal roof leaks as all latex caulks and sealants will have a great deal of shrinkage take place upon curing and they will not take the movement that polyurethane S-M 7108 will. The acrylics will also crack over time, usually within one to two years.**