

### **0956 King Kaulk Adhesive & Sealant:**

- **What is the base chemistry for this formulation?** Proprietary MS Polymer Sealant.
- **Is King Kaulk a single component product?** Yes.
- **What sets King Kaulk apart from other adhesives & sealants available today?** King Kaulk is the only product you really need for most jobs. It will perform as a premium adhesive or sealant – in a single cartridge! (Due to the fact that specific substrates such as plastics, polycarbonate, etc may differ from manufacturer to manufacturer, a preliminary compatibility test is recommended)
- **What are some key characteristics that differentiate King Kaulk?**
  - A. High initial tack reducing the need for initial support
  - B. High bond strength & rapid cure onto most substrates
  - C. Primerless adhesion even on damp & non-porous surfaces
  - D. High performance mechanical properties
  - E. Highly flexible & elastic after cure – elastomeric properties
  - F. Application even in adverse conditions
  - G. No bubble formation within sealant in conditions of high temperature & high humidity
  - H. Very easy to tool
  - I. Good Extrudability even @ cooler temperatures
  - J. Color stable
  - K. Very environmentally-friendly (free of isocyanates, solvents, halogens & acids)
  - L. Excellent resistance to mold growth
  - M. Does not stain highly porous materials such as natural stone, blue stone, marble & granite
- **Is King Kaulk a spec compliant formulation?** Yes; King Kaulk meets the requirements of such rigid performance benchmarks as ASTM C920 Class 25, Fed Spec TT-S-00230C Class A & Mil Spec 46106A.
- **How does King Kaulk fare in laboratory artificial weathering?** Passes 3,000 hrs Xenon arc & 5,000 hrs QUV.
- **What is the typical Elongation @ Break for King Kaulk?** 500 to 600%.
- **Is King Kaulk suitable for Interior/Exterior applications?** Yes.
- **Is King Kaulk suitable for water clean up?** No. Mineral Spirits suggested prior to cure. (follow directions/cautions on solvent label). Wash skin w/ soap & warm water after use.
- **Is King Kaulk mildew resistant?** Yes, following cure.
- **Is King Kaulk suitable for below-grade applications?** Yes, to sound, clean, properly prepared substrates.

- **Is King Kaulk VOC Compliant?** Yes, King Kaulk has a calculated VOC of less than 1%/weight. The formula is also free of isocyanates, solvents, halogens & acids.
- **Does King Kaulk contain any Prop 65 listed ingredients?** Yes; a small amount of crystalline silica is present in the calcium carbonate filler used to formulate King Kaulk.
- **Does King Kaulk exhibit a strong odor during cure?** No; King Kaulk exhibits very low odor during application & cure.
- **Will King Kaulk remain permanently flexible after cure?** Yes.
- **How does the initial tack of King Kaulk compare to other sealants?** The high initial tack of King Kaulk is superior to Acrylic Latex/Siliconized Acrylic Sealants, Silicone Sealants or Polyurethane Sealants.
- **Is King Kaulk waterproof?** Yes.
- **Is King Kaulk paintable?** Yes; King Kaulk may be painted with virtually all water based paints & many other systems (due to the wide range of paints available, testing in an inconspicuous area is suggested). The drying time of alkyd resin based paints may increase w/ King Kaulk. King Kaulk can generally be painted in 2 hrs in normal climatic conditions.
- **Is King Kaulk UV Resistant?** Yes.
- **Is King Kaulk considered corrosive?** No.
- **Is King Kaulk suitable for application onto damp substrates?** Yes.
- **Is the King Kaulk formulation solvent free?** Yes.
- **What is the curing system for King Kaulk?** Moisture cure.
- **Is King Kaulk considered chemically neutral?** Yes.
- **Is King Kaulk suitable for use in K&B applications?** Yes; King Kaulk is resistant to mildew & mold growth & suitable for applications such as gluing soap dishes to sound, clean substrates.
- **Is King Kaulk suitable for bonding directly onto the back of mirrors?** Yes, provided mirror backing & second substrate are sound & prepared according to directions.
- **How is the chemical resistance of King Kaulk?** Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids & alkalis. Poor resistance to aromatic solvents, concentrated acids & chlorinated hydrogens.
- **What substrate preparation is necessary w/ King Kaulk?** Substrate should be clean & free of dust & grease. (Although King Kaulk will adhere when applied to a wet substrate, application to a clean & dry surface is recommended for optimum performance).
- **Is a primer ever necessary?** Porous substrates should be primed. A Surface Activator may be used on non-porous surfaces.
- **Is preliminary compatibility testing a good idea prior to application of King Kaulk?** Yes.
- **What is a good way to tool King Kaulk?** Use a soapy solution prior to skin formation.

- **Is King Kaulk combustible?** Yes.
- **Is King Kaulk suitable for application onto vertical substrates?** Yes; King Kaulk exhibits no slump or sag when applied according to directions in vertical applications.
- **What is the typical tack free time for King Kaulk?** < 1 hr depending on climatic conditions.
- **What is the typical cure time for King Kaulk?** 24 to 48 hrs
- **What is the approximate suggested Application Temperature of King Kaulk?** Approximately 34F to 95F for best results.
- **Should King Kaulk be applied to frost-bearing substrates?** No
- **Should King Kaulk be applied in conditions below freezing?** No; for best results King Kaulk should be applied in temperatures between approximately 34F & 95F.
- **What is the approximate Service Temperature of King Kaulk?** Approximately -40F to +194F.
- **What is the typical Shelf-Life for King Kaulk?** Minimum 12 mo. @ 72F (unopened) (when opened, partially used & re-sealed, the remaining material should be used within 1 to 2 weeks).
- **Will King Kaulk work as a structural glazing?** Not recommended (direct UV exposure for King Kaulk is excellent, however UV exposure through glass (because rays are magnified) is not good enough for use as a structural glazing).
- **In terms of UV resistance when used as a sealant, how does King Kaulk rank compared to Silicone & Polyurethane Sealants?** Better than PU, but not quite as good as Silicone.
- **Any key advantages for King Kaulk as compared to latex-based Power Grab?** The products are similar in terms of initial adhesion in interior applications, however King Kaulk will function equally well on damp/wet substrates & in exterior applications.
- **How does King Kaulk compare to Sidewinder MS Sealant?** King Kaulk can be used as an Adhesive or Sealant, while Sidewinder is primarily a Sealant. Both are suitable for Interior/Exterior & application to wet substrates. Both remain flexible after cure.
- **How does King Kaulk compare to Macco Perfect Glue 1?** The two are comparable as adhesives; however Perfect Glue will not perform well as a sealant.
- **How does King Kaulk compare to Gorilla Glue?** Gorilla Glue lacks the “instant grab” of King Kaulk. King Kaulk also remains flexible after cure while Gorilla Glue does not.
- **How does King Kaulk compare to Liquid Nails Quik Grip?** Quik Grip is primarily a latex-based adhesive & therefore lacks the sealant-performance of King Kaulk & the ability to perform @ a high level on wet substrates & exterior applications. Quik Grip also lacks flexibility after cure.

- **Will King Kaulk work for metal-to-metal applications?** Yes, when used according to directions.
- **Is King Kaulk safe for use on the back of mirrors?** Yes.
- **Will King Kaulk work for gluing signs (No Smoking, No Parking) to substrates?** Yes.
- **Will King Kaulk work for gluing soap dishes in bathrooms?** Yes.
- **Where can I find additional information on King Kaulk?** Consult MSDS & TDS.