ADSEAL KITCHEN BATHROOM 4800 SERIES

ACETOXY MILDEW RESISTANT RTV SILICONE

DESCRIPTION

ADSEAL KB 4800 SERIES is a one-component general purpose silicone, thyxotropic, non-flowable adhesive sealant that cures rapidly at room temperature and ambient humidity conditions utilizing an acetoxy curing system. It may be used for many types of bonding and sealing applications. Because it does not flow due to its own weight, this sealant can be applied overhead or on sidewall joints and surface without sagging, slumping or running off.

ADSEAL KB 4800 SERIES CAN NOT BE PAINTED.

ADSEAL KB 4800 SERIES has good resistance to weathering, vibration, moisture, ozone and extreme temperature. It adheres to glass, aluminum, most painted metals, most type of wood, ceramic, mirror, natural and synthetic fiber. For sealing or bonding on plastic surface we recommend ADSEAL neutral cure silicone. ADSEAL KB 4800 SERIES can corrode or not adhere to copper, brass (and other copper-containing alloys), magnesium, zinc and galvanised metals (and other zinc containing alloys).

Due to its vulcanization system in contact with moisture, the depth of the bead should not exceed 13 mm (1/2 "), otherwise the sealant cannot vulcanize completely. For applications with a bead depth of more than 13 mm, we recommend a two component silicone. Minimum movement joint size should be 1/4" x 1/4". When completely vulcanized, ADSEAL KB 4800 SERIES is resistant to permanent temperatures of -58°C to 204°C (-70°F to 400°F) and maximum intermittent temperature 250°C (482°F).

SPECIFICATIONS

- Meets CAN / CGSB standards 19.13-M82
- Meets ASTM C920, type S, NS grade, class 25, use NT, G, A, O.
- Meets American Federal Specifications TT-S-1543A, TT-S-00230C
- CFIA accepted

PHYSICAL PROPERTIES

Uncured	
Appearence	Pasty
Color	Translucent (4801), white (4802), black (4803) and aluminum (4809). Special colors available upon request.
Density	1.04 g/ml
V.O.C.	< 48 g/L
Extrusion rate (20 psi/diamètre 5mm)	75 – 350 g/min.
Tack free time (ASTM C679)	15 – 20 minutes at 23°C (73°F) 50% r.h.
Rheological properties (ASTM C639)	No sagging

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Cured	
Hardness (shore A) (ASTM D2240)	15
Elongation at break (ASTM D412)	408
Maximum Tensile strength	111 psi
Tensile strength at 100% elongation (ASTM D412)	43 psi
Tear strength (ASTM D624) die C	24 psi
Movement capability (ASTM C719)	± 25%

APPLICATION

Construction

- Sealing cold room
- Kitchen and bathroom
- Waterproofing joints
- Mirror bonding
- Glass partition
- Sign bonding

Industrial

- Gasketing
- Refrigerated counters
- Aluminum windows and doors manufacturing
- Sealing appliance parts
- Sealing marine cabins and windows
- Sign bonding

SURFACE PREPARATION

Surface must be free of dust, oil, grease, frost of any other contaminant. On porous surface, first use mechanical tool such as grinder to remove old sealant or any other contaminant. Use ADSEAL CLEANER 6003 to clean all surfaces. Let it evaporate 20 minutes before sealant application. Ensure that the backer rod ADSEAL BR-2600 is friction fitted properly and ADSEAL PRIMER MK60095 have been applied if necessary. When using ADSEAL PRIMER MK60095, let the primer evaporate for 20 minutes prior to ADSEAL KB 4800 SERIES application.

METHOD OF USE

ADSEAL KB 4800 SERIES is easy to apply with a conventional manual, electric or pneumatic applicator (do not exceed 45 psi for a cartridge). Shape the sealant bead with the ADSEAL TOOLING KIT before skin formation. In order to facilitate the work, the shaping can be done with a solution of 5% clear dish soap and 95% water. Dip the ADSEAL TOOLING KIT into the solution. Avoid applying solution directly to the sealant. The use of this solution may reduce sealant adhesion if used in an abusive manner. Uncured sealant can be clean with a solvent such as mineral spirit. Bead surface contact should be at least 1/4¨. ADSEAL DWS 4580 SERIES can be applied at temperatures as low as -20°F (-29°C). For more details consult the technical document: Application procedure for sealant movement and waterproofing joints.

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TEMPERATURE APPLICATION

Sealants from the ADSEAL product line can be applied throughout the year, even in winter, unlike organic sealants such as polyurethanes, thermoplastics or any solvent-based adhesives or sealants. Never apply sealant in weather conditions where condensation or precipitation exists such as rainfall, freezing rain, snow or intense fog. Make sure the surface is free of frost. The temperature of the silicone sealant must be the same as the substrates. Avoid applying a warm sealant to a cold surface. The lower the temperature, the longer the sealant will take to vulcanize.

***** Beware of large fluctuations in temperature especially below freezing point. For example, when temperatures reach well below freezing point in a short period of time, the substrates may have a large elongation/compression movement. The sealant will not have enough time to form a fairly thick skin, which in some cases, may cause a breakage or wrinkling at the joint. If such phenomenon occurs, proceed with an adhesion test.**

PACKAGING

- 304ml cartridge
- 400ml or 600ml sausage
- Pail
- Drum

STORAGE

Store the sealant in closed original packaging. Store in dry premises at a temperature lower than 25°C (77°F). Expiration date is indicate on each container. Storage beyond the date specified on the container does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality insurance reasons. Contact our technical service.

CAUTION

Always consult sds before using the product. Apply usual hygienic rules. Always test the product on your application before use. For industrial use only. For more information, please contact your technical representative.

IMPORTANT

The information given and the recommendations made herein apply to our products alone and not combined with other products. This information is based on our research and on data from reliable sources and is believed to be accurate. No guaranty of accuracy is made. It is the purchaser's or the user's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.