

TECHNICAL BULLETIN



January 4, 2023

RE: APPLICATION TEMPERATURE RECOMMENDATIONS

Application temperatures, whether hot or cold, can change the physical properties of coatings, sealants, primer and adhesives. The information in the below chart is intended to assist applicators in successfully applying KARNAK products.

PRODUCT TYPE	PRODUCT EXAMPLES	STORAGE TEMPERATURE (Store Indoors in dry environment)	APPLICATION TEMPERATURES (Includes the Substrate, Product and *Ambient Temperature)	SERVICE / PERFORMANCE TEMPERATURES
Acrylics (Except 405 Bond-N-Shield and 529 Renu-White)	400 Series Base Coats 500 Series Finish Coats 505MS Karna-Flex WB	50°F to 90°F	40°F to 120°F	-15°F to 180°F
Acrylic - Exceptions	529 Renu-White 405 Bond-N-Shield	50°F to 90°F	40°F to 120°F	15°F to 180°F
Silicone	670HS Karna-Sil	50°F to 90°F	50°F to 120°F	-15°F to 185°F
SEBS & SBS	502 RC-W Elasto-Kote 502MS Karna-Flex 229AR Elastomeric	50°F to 90°F	40°F to 120°F	-40°F to 180°F
Aluminum	97 Fibered Aluminum 169 Non-Fibered AL 297 Aqua-Lum 298 Alumin-R	50°F to 90°F	50°F to 120°F	15°F to 180°F (298: -40° to 180°F)
Asphalt Cements, Coatings, Adhesives & Primers	19 Flashing Cement 19 Ultra Rub. Flashing Cement 71 Fib. Asphalt Coating 108 Asphalt Primer 66 Mod. Bit. Adhesive 83 Fibered Dampproofing 86 Fibered Trowel Mastic	50°F to 90°F	40°F to 120°F	15°F to 180°F
Asphalt Emulsions	100 Non-Fibered / 100 Primer 220 Fibered 920 Fibered Emulsion Mastic	50°F to 90°F	40°F to 120°F	15°F to 180°F
Siloxanes	LL10 LL20	50°F to 90°F	40°F to 120°F	-15°F to 180°F
Epoxy Primer	180	50°F to 90°F	40°F to 120°F	-15°F to 180°F
Water-Based Polymer Modified Primer	89 Sta-Tak	50°F to 90°F	30°F to 120°F	15°F to 180°F

NOTE: Application at temperatures lower than 40° F will become difficult due to the increase in viscosity that occurs when the product's temperature is lowered. Application of products at or below freezing temperatures could result in adhesive failure, unless special precautions are taken to ensure that the surface is free of moisture or ice crystals.

* Apply all products at ambient air temperature 5°F above dew point unless applicable for use over wet surfaces.

For any questions regarding application temperatures please contact KARNAK Technical Services at 800.526.4236.

KARNAK TECHNICAL SERVICES

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