



TECHNICAL DATA SHEET

AEROK 9110R

PRODUCT

Aerok 9110R is a two component low density adhesive/filler developed for bonding composite and aluminium honeycomb panels. Suitable for filling/bonding internal or external kerf cuts in curved panels. Used widely for "ditch and pot/cut and fold" applications and as an adhesive and edge filler. Due to its high FST performance Aerok 9110R is used as an adhesive to bond insert blocks and to full surface bond decorative finishes. Will meet the requirements of FAR/JAR/CS 25.853 (a) - 60 second vertical burn, ABD 0031/D6-51377 Toxic gas emission, and many other standards - depending on substrates and substrate combinations

TECHNICAL CHARACTERISTICS

Base	Epoxy Resin
Density - g/cm ³	0.70
Viscosity	Soft Paste
Thixotropic	Yes
Rate of Extrusion at 20°C / 68°F	400ml/min
Rate of Extrusion at 38°C / 100°F	N/A
Usable Life*	25 minutes
Setting Time at 25°C / 68°F	2 hours
Setting Time at 60°C / 140°F	20 minutes
Compressive Strength	>35MPa / >5000 PSI
Lap Shear Strength	>19MPa / >2750 PSI
Temperature Resistance	- 40°C to +70°C / - 40°F to +158°F
Temperature Resistance - Ground Soak	- 55°C to +90°C / - 67°F to +194°F
Thermal Expansion	73.3 x 10 ⁻⁶ m/m/°C
Water Absorption (% increase in weight)	<0.1
Mix Ratio (by volume)	1 : 1

(*) These values may vary depending on environmental factors such as: temperature, moisture and type of substrates. Values will also vary due to volume of material mixed/used due to exothermic reaction



PACKAGING

Colour:

Pink/Red

Packaging:

600ml Cartridge, 25 Litre Pail / 20.29 floz Cartridge
and 845.35 floz Pail

SHELF LIFE

12 months in unopened packaging in a cool and dry storage place at temperatures between +15°C and +25°C / +59°F and +77°F

HEALTH AND SAFETY RECOMMENDATION

As with all epoxy products, avoid skin and eye contact and apply the usual industrial hygiene. Check the packaging for more information or see MSDS

The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by ForgeWay, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user.



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