

ConfAd Cartridge type

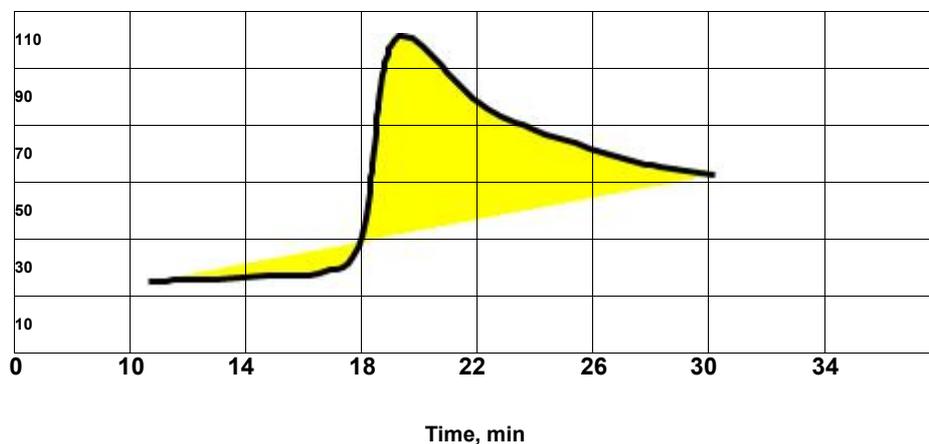
Description **ConfAd Cartridge type** is a two-component based on acrylic resin for bonding of solid surfaces and engineered stones. Combined at a 10:1 ratio, it has a working time of 14 to 19 minutes and fixture time of 28 to 33 minutes. **ConfAd Cartridge type** is available in off-white and is supplied in ready to 50/75/250/485ml cartridges as a non-sagging gel.

- Characteristics**
- * Can be stressed very quickly due to its high initial stability
 - * Very rapid hardening and solvent free type
 - * Easy measuring and mixing by use of cartridge system
 - * Excellent adhesion on solid surfaces and engineered stones
 - * Working Time (72°F) 14~ 19 min
 - * Fixture Time (72°F) 28 ~ 33 min
 - * Operating Temperature Max 230°F
 - * Gap Filling 3 mm
 - * Mixed Density 1.17 g/cc
 - * Flash Point 50°F

Physical Properties (uncured) - Room Temperature	* Viscosity, cPs, 73°F	COMPONENT A 22,000~30,000	COMPONENT B 9,000~15,000
	* Color	OFF WHITE	TRANSPARENT
	* Density, g/cc	1.18	1.13
	* Mix Ratio by Volume	10	1
	* Mix Ratio by Weight	10	1
	* Mixer Recommendation	Cartridge (75ml / 250ml)	

Mechanical Properties (Cured) - Room	Bending Strength	
	* Strength, psi	3200
	* Strength, kg/cm ²	220

Temperature, °C



Typical Exotherm Curve for **ConfAd** Cartridge type at 72°F (50 grams)

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HANDLING AND APPLICATION

ConfiAd Cartridge type is flammable and can be dangerous if used improperly. Keep containers closed after use. Wear gloves and safety glasses to avoid skin and eye contact. Wash with soap and water after skin contact. In case of eye contact, flush with water for 15 minutes and get medical attention. Harmful if swallowed. Keep out of reach of children. Keep away from heat, sparks, and open flames. Reference the Material Safety Data Sheet (MSDS) for more complete safety information.

Note: Because of the rapid curing features of this product, large amounts of heat are generated when large masses of material are mixed at one time. The heat generated by the exotherm resulting from the mixing of large masses of adhesive can result in the release of entrapped air, steam, and volatile gases. To prevent this, use only enough material as needed for use within the working time for the product and confine gap thickness to no more than 3mm.

DISPENSING ADHESIVE

ConfiAd Cartridge type may be applied manually or with automated equipment. Static mixer selection is critical to the proper mixing and performance of adhesives. To assure maximum bond strength, sheets must be mated within the specified working time. Use sufficient material to ensure the joint is completely filled when parts are mated and clamped. All adhesive application, part positioning, and fixturing should occur *before* the working time of the mix has expired. After indicated working time, parts must remain undisturbed until the fixture time is reached. Clean up is easiest *before* the adhesive has cured.

EFFECT OF TEMPERATURE

Application of adhesive at temperatures between 65°F and 79°F will ensure proper cure. Temperatures below 65°F will slow cure speed; above 79°F will increase cure speed. The viscosity of COMPONENT A and B of this adhesive are affected by temperature.

STORAGE AND SHELF LIFE

Shelf life of **ConfiAd** Cartridge type is 2 years. Shelf life is based on continuous storage between 50°F and 70°F.

Long term exposure above 79°F will reduce the shelf life of these materials. Prolonged exposure of hardener above 104°F quickly diminishes the reactivity of the product and should be avoided. Refrigeration is an acceptable means to increase shelf life, For expiry date see label.

NOTES

1. **JIN GWANG INDUSTRIES CO.,LTD** strongly recommends that all substrates be tested with **ConfiAd** Cartridge type in the normal conditions to determine suitability.
2. Working Time: The time elapsed between the moment COMPONENT A and B of the adhesive system are combined and thoroughly mixed and the time when the adhesive is no longer usable. Times presented were tested at 72°F.
3. Fixture Time: The interval of time after which surface being joined will support a 1 kg dead weight on a 1/2 inch overlap joint 1 inch wide without movement. Times presented were tested at 72°F.
4. Resistance to chemical exposure varies greatly based on several parameters including ;temperature, concentration, Bond line thickness, and duration of exposure. The chemical resistance listed assume long term exposures at ambient conditions.
5. In a typical bond line, exotherm temperatures will be lower than the temperatures shown.
6. The information provided, is based on laboratory testing under controlled conditions. It is the responsibility of the end user to test the intended substrates under the conditions which they will be used, and to determine the suitability of the adhesive for the intended purpose. **JIN GWANG INDUSTRIES CO.,LTD** makes no representations or warranties of any kind concerning this data. Due to variance of storage, handling and application of these materials, can not accept liability for results obtained.

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