ConfiAd[®] Jin Gwang Industries Co., Ltd.

HEADQUARTERS & FACTORY

11-13, Maejari-gil, Opo-eup, Gwangju-si, Gyeonggi-do, 12798, Republic of Korea Tel: +82-31-767-8441 Fax: +82-31-767-8442 E-mail : confiad@confiad.com Web site : www.confiad.com

SISTER COMPANY IN NORTH AMERICA : CONFID, INC.

1518N Endeavor Lane, Suite B, Anaheim, CA 92801, U.S.A. Tel: +1-714-635-2210 Fax: +1-714-492-8230 Toll Free: +1-855-885-2800 E-mail : confiad.us@confiad.com Web site : www.confiad.us

DISTRIBUTOR

Please contact the following distributor



ACRYLIC EPOXY RESIN USED

Color Adhesive









Con^{*}fiAd[®]

FOR NATURAL STONES, ENGINEERED STONES AND CERAMICS



ConfiAd[®] is advanced adhesives specially designed for solid surfaces, engineered stone, and natural stones produced by Jin Gwang Industries Co., Ltd. We have been manufacturing adhesive products since year 2000, beginning with supplying adhesive products as a private label under the name of "Staron Adhesives" to Samsung for their Staron solid surfaces line.

Currently, we supply our products to more than 38 countries under our own label of 'ConffiAd' worldwide.

Why ConfiAd?

- Superb Adhesion : To all types of natural stones, engineered stones, and ceramics.
- Superb Color Match : More than 100 different colors will be available in a short time (Current: 53 colors)
- Longest Shelf Life : Normal estimated shelf life is 1 year and may last longer refrigerated.
- Eco Friendly : All products are phthalate free (ISO 14001 acquired)
- High Quality Standards : Winner among 6 major competitors in guality tests conducted by an independent testing organization (ISO 9001 acquired)
- Competitive Pricing : Without compromising the quality of the product.

Spirit of ConfiAd

- Do not compromise quality with manufacturing cost through the best raw materials, production procedure, quality control system and R&D
- Compensate minor changes of surfaces such as dye lot variations to some extent
- Compensate minor mistakes or unskilled job by fabricators
- Maximize fabricators' productivity
- Target no repair and rework



Applicable for natural stones and engineered stones. Superior workability & productivity

Private labeling available

Routable in 15 minutes

Excellent bonding performance

ConfiAd[®] Color Adhesive for Natural Stones, Engineered Stones and Ceramics

Cartridge Products

Con'fiAd[®] Cartridge type is 250ml applicated with dispenser.

250ml cartridge (10:1)

250ml dispenser





Tube Products

250ml tube (100 : 1)

Bulk Products

4L, 1L bulk (100:1)



Applications of **Con^{*}fiAd**[®] Color Adhesive

ConfiAd Color Adhesive offers excellent adhesion to all type of natural stone, engineered stone, and ceramics with fast curing.



Accessories

Dispenser D-250S (Economic)(250ml)



D-250M (Manual)(250ml)



D-250M (Pneu)(250ml)





Mixer M-250M (250ml)



Con^{*}fiAd[®] Color Adhesive Standard Colors (53 Colors)

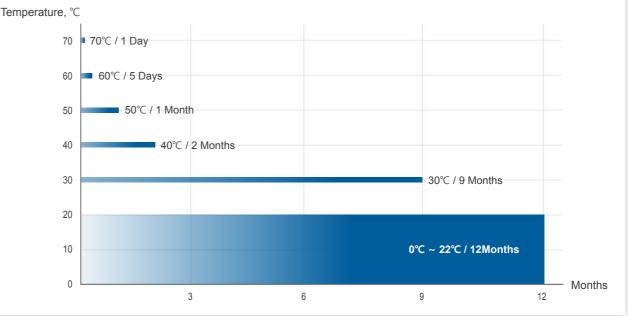


* Colors may vary from those shown.

* We can deliver any colors available upon customers' requests in a short term.

How to use

Cartridge type	T
 Place the cartridge in the dispenser in reference to directions and separate the nose plug from the cartridge nose. 	1.
 Purge out a little bit of both components of adhesive to ensure proper mixture. 	2.
 Attach and tighten a mixing tip to the cartridge nose. Pull the trigger twice to purge a little bit of adhesive from the mixing tip. 	
 Then apply adhesive to the seaming area. Always wear safety glasses and disposable polyethylene gloves. 	4. 5.
polyethylene gloves.	
Shelf Life	
Temperature, ℃	



FACTORS

- COMPONENT 'A' : SEGREGATION / SEDIMENTATION
- COMPONENT 'B' : YELLOWING / LEAKAGE / NO CURING
- * Above mentioned graph was performed repeatedly in our laboratory.

Tube type / Bulk type

- The surface to be treated must be clean, completely dry and roughened.
- Add 1g of hardener to 100g of adhesive and then mix it thoroughly.
- The mixture can be worked for about 5~15 minutes (22°C / 72°F). depending on the product and the quantity of hardener added.
- After 12~45 minutes the treated parts can be further processed (grinding, milling, drilling).
- 5. The curing process is accelerated by heat and delayed by cold.

Storage & Handling Procedure

Store ConfiAd[®] Color Adhesive in a cool place away from direct sunlight.

- High temperature will reduce the shelf life of component A and B.
- Exposure of Component B above 38°C(100°F) rapidly diminishes the product's reactivity and thus it must be avoided.
- Refrigeration is an acceptable means to increase shelf life. However freezing should be prevented.
- The recommended measure for longer shelf life is maintaining storage temperature between 10~21°C constantly.

Store the adhesive as follows:

- Long period storage : horizontal direction.
- Short period storage : up right direction for 2 hours are suitable.

To extend shelf life longer, the adhesive may be stored in an air conditioned room or a fridge specially designed for the storage of flammable products.

- It is possible for an air bubble to be trapped in Component A or Component B.
- The gas can also be formed in Component B if it is subjected to high temperature during storage or shipping.
- In the event that gas or an air bubble were trapped in the cartridge, upright storage will allow them to reach to the top (outlet)
- of cartridge to be eliminated during the initial purge. (Be sure to purge gas and bubble in the cartridge by pointing up)

Component B exposed to high temperature during transport or storage will be broken down and lose strength. This will generally show up as a slow, uneven or incomplete cure.

- Component B stored correctly will last for 1 year or more but will gradually lose reactivity.
- The decomposition of Component B in high temperature can also release gas out of Component B.

Bubbles may appear in the dispensed product and the compressibility of the gas may act like a spring compressing in each pull of the trigger producing fluctuations in the dispensing rate, off ratio (uneven cure) and drooling from the tip.

Transportation:

Needs to be shipped under deck essentially in order to avoid high temperature (needs to be kept below 25°C) Avoid long term transportation when shipping inland.

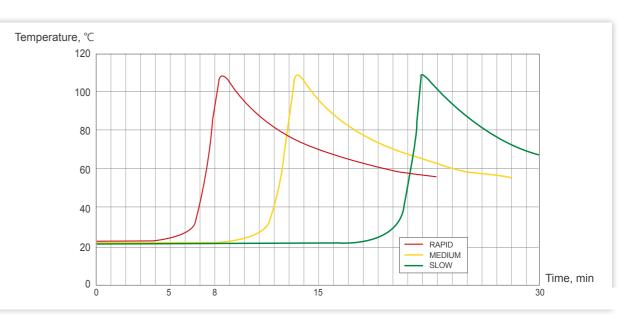
ConfriAd[®] Color Adhesive is flammable and can be dangerous if used improperly.

- Avoid contact with eyes, skin and clothing.
- Wash with soap and water after skin contact.
- Harmful if swallowed. Keep out of the reach of the children.
- In case of eye contact, flush with water for 15 minutes and get medical attention.
- . Keep away from heat, sparks, open flame and other combustible materials.
- Before use or handling, consult the appropriate Material Safety Data Sheet.
- Avoid breathing vapor and use only with adequate ventilation.
- Wash hands thoroughly after handling.

Characteristics

Туре	Con [*] fi Ad* Color Adhesive (250ml Cartridge)		Con [#] TAd [*] Color Adhesive (250ml Tube / 4L, 1L Bulk)			
Item	Rapid	Mec	lium	Slow		
Working Time/22°C (72°F)	5 ~ 7 min	8 ~ 10 min 15 ~ 20 min			8 ~ 10 min	
Fixture Time/22°C (72°F)	12 ~ 18 min 20 ~ 2		20 ~ 25 min 35 ~ 45 min			
Operating Temperature	Max 110°C (230°F)					
Gap Filling	3mm (0.12inch)					
Sandability	Excellent					
UV Stability	Excellent					
Heat Stability	Excellent					
Mixed Specific Gravity	1.17					
Flash Point	10°C (50°F)					
Shelf Life	1 year					
Flexural Strength (ASTM D790)	220kgf/cm ² (3,200 psi)					
Compressive Shear Strength (ASTM D905)	210kgf/cm ² (3,000 psi)					
Mix Ratio by Volume (ml)	A : B = 10 : 1			A : B = 100 : 1		
Mix Ratio by Weight (g)	A : B = 10 : 1	B = 10 : 1 A : B = 100 : 1		A : B = 100 : 1		
Viscosity cPs/23°C (73°F)	A (60,000 ~ 70,0 B (15,000 ~ 20,0	,		A (100,000) B (30,000)		

Typical Exotherm Curve



Applicable Sheet brands by using Confiad[®] Color Adhesive

Natural Stone (5 Brands)								
ATHENIAN MARBLE	MARBLESTONE	NATURAL STONE	PIEDRAFINA	SENSA				