



CrossChem is a global adhesive company headquartered in Korea.  
Our company produces solid surface adhesives and exports to all over the world.  
We are currently producing more than 800 color adhesives.  
Through continuous research and development, the newly invented acrylic structural adhesive "crossmetal" is launched.  
We will continue to introduce more products to you through more efforts.

**CrossChem Co., Ltd.**

#607, Dangjeong-ro 75 beon-gil 23, Gunpo-si,  
Gyeonggi-do, 15847, KOREA  
TEL: 82-31-477-7789  
FAX: 82-31-477-7790  
E-mail: cross@2c-ad.co.kr

**Hot Line**

KOREA : 82-10-3586-1211  
INDIA : 91-986-747-6637



# CrossMetal

Imagine your creative application with  
brand new metal bonder





# CrossMetal

Imagine your creative application with brand new metal bonder

The newly developed metal bonder CrossMetal is two-component acrylic adhesive that has excellent shear, peel, and impact performance for metal working. This new product of CrossChem provides super durability, not only on different kinds of metal substrates, but also on plastics including FRP products and natural stones. Expensive epoxy adhesive can be easily replaced with this economic Acrylic Metal Adhesive.

## Advantages of “CrossMetal”



Fast curing and excellent physical properties



Easy to prepare surface pre-treatment



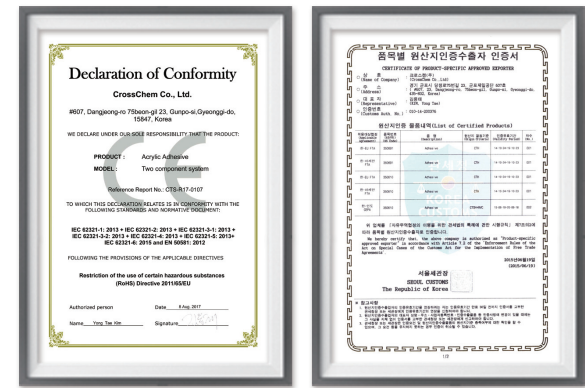
Broad temperature resistance up to 130°C down to -20°C



Lower cost than expensive structural epoxy

## Industry applications

- **Metal fabrication** : Automotive parts, Elevator steel interior, Aluminum honeycomb etc.
- **Plastics working** : Signage, Interior parts, FRP boat body repair
- **Electronics parts** : BLU of Note PC, Mobile, Home appliance etc.
- **Office furniture** : Different material bonding application (wood+plastics/wood+metal)
- **Stone working** : Natural stone/marble, Engineered stone even ceramics



## High performance at extreme conditions

Properties		Test condition	Value
Viscosity		24°C	25,000 cps
Density		24°C	1.15 g/cm³
Overlap Shear	Acrylic	24°C	1,500 psi
	Polyester fiber reinforced	24°C	1,200 psi
	Aluminium	24°C	3,800 psi
		Thermal Shock	4,000 psi
	SUS	24°C	3,200 psi
		Thermal Shock	3,500 psi

\* Overlap shear values measured using ASTM D1002 : 1/2" OVERLAP, 0.010" Bond line thickness.  
\* Thermal Shock : -20°C for 8hrs to 80°C for 8hrs, 3 cycles

## Curing time

Working time 5(min)	Handling time 25(min)	Full cure time 24(hr)
---------------------	-----------------------	-----------------------

## Product Features

Two component Adhesive (10:1 ratio)

- Main basic color**
- Black
  - Brown
  - Grey
  - Yellow
  - Transparent
- Packaging type**
- Tube (75g)
  - Cartridge (50ml, 75ml, 250ml)
  - Bulk (5kg, 18kg)

### ※ Directions for Use

To increase bond strength and environmental aging resistance, all other contaminants must be completely removed from the surface.  
(Wipe surface free of dust and dirt with clean cloth, and abrade using clean fine grit abrasives)