

CrossMetal

Imagine your creative application
with brand new metal bond

Acrylic Structural Adhesive

A new product from CrossChem

Acrylic Thermal Conductive Adhesive

CrossMetal A-110T

Two-component reactive acrylic adhesive, A-110T features fast curing time and excellent thermal conductive performance. It can be used for various materials such as electric and electronic parts and automobile parts. Exhibits excellent adhesion, heat resistance (T_g 120°C), durability, weather resistance, cold resistance, and impact resistance.

Application

Parts requiring thermal conductivity such as electric and electronic parts, automobile parts, etc.
/ Metal, ABS, FRP, various soft plastics / glass, rubber, ceramics, stone, wood, etc.

How to use

Apply adhesive after completely removing contaminants from the surface of the substrate and drying it.

Amount of coating : 0.2-0.5 g/cm²

* Curing speed and conditions may vary depending on the coating thickness and the surrounding environment.

When stored at room temperature (10-30°C) avoiding direct sunlight, the shelf life is 6 months.

Product type

10:1 Cartridge (50ml, 75ml, 250ml)

Physical property

Property	Main material (A)	Hardener (B)
Material	Modified acryl	Organic Peroxide
Appearance	White	Green
Solid content (%) at 105±5°C x 3hr	98±1	
Viscosity (cps) at 20°C	57,000-72,000	2,000-3,000
Specific gravity (g/cm ³) at 20°C	1.48-1.6	1.0-1.2
Thermal conductivity coefficient	0.77 W / (m·K)	
Elongation	0.85 %	
Mixing ratio	10 : 1	
Curing time at 20°C	12-15 minute	
Handling temperature	-20 ~ 120 °C	
Shear strength	Fe/Fe	920 N /cm ²
	SUS/SUS	880 N /cm ²
	Al/Al	660 N /cm ²



CrossChem.Co.,Ltd

23,Dangjeong-dong 75beon-gil,
Gunpo-si,Gyeonggi-do
Gunpo Jeil Industrial Complex 607
Tel 031-477-7789
Fax 031-477-7790
www.crosschem.co.kr

