

SURFACE BONDER ULTRA CHPAE810

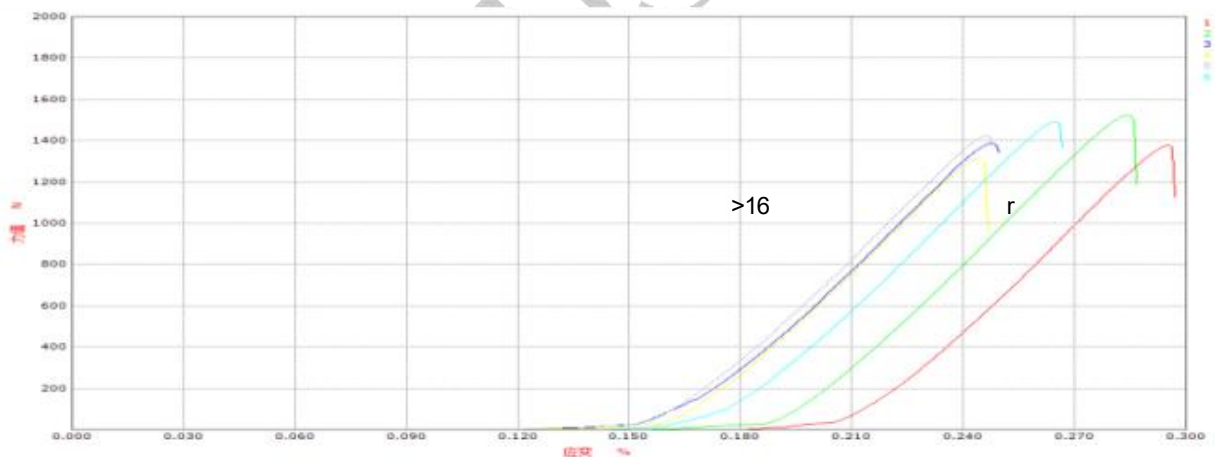
CHPAE810 is a two-part polyaspartic acid structural adhesive designed for indoor and outdoor bonding for stone, ceramic, and quartz stone. It features zero yellowing and zero VOC. When CHPAE810 is used with the hardener at a ratio of 2:1, the operating time is 10-20 minutes, curing time is 40-90 minutes. After CHPAE810 is hardened, it has high bonding strength, excellent indoor & outdoor UV stability, zero-yellowing, high temperature resistance, and good water resistance, good impact resistance and abrasion resistance.

Physical properties (unhardened)-Room temperature

	Component A	Component B
Viscosity, CP(6#5R):	150000-200000	2500-4000
Color:	White	Transparent
Density, G/CC):	1.1	1.1
Mixing ratio, volume:	8	5
Mixing ratio, weight	2	1

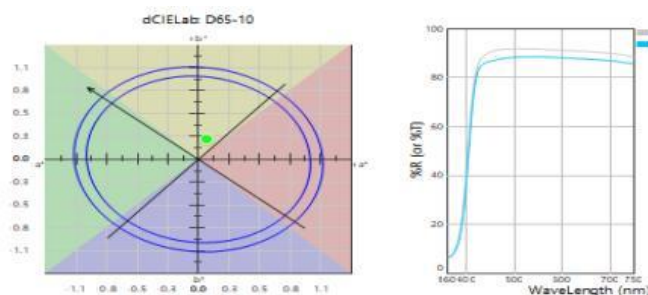
Mechanical properties (after hardening) -room temperature cured for 72 hours

Three-point bending strength (MPa) (sintered stone/sintered stone . Refer to JC/T 989-2016 6.10 Adhesive bending strength



Yellowing resistance performance: Refer to standard GB/T16422.3-2014/ISO4892-3:2006. Under black standard temperature $60^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and UVA340 ultraviolet light intensity 0.76w under the condition of radiation exposure for 8 hours, under black standard temperature of $50^{\circ}\text{C} \pm 3^{\circ}\text{C}$ condensation for 4 hours.

The color difference tester measures a b value ≤ 1 or ISO105-A02-1993 gray card grade = 5.



Temperature resistance: -30°C to 80°C

Glass transition temperature Tg: 55-60°C

Recommended maximum coating thickness: 9.5mm (0.375 inches).

Advantage:

Yellowing resistance, fast hardening, 100% complete reaction, can be sanded and polished, the vertical surface remains stable without flow, no special surface treatment is required.

Environmental resistance:

Good water resistance, good impact resistance, abrasion resistance, high temperature resistance, durable UV

Applicable material:

Indoor & outdoor bonding for stone material, ceramic & quartz surface .

Precautions:

Seal the container tightly when not in use to avoid contact with skin and eyes. In case of accidental contact, wash the skin with soap and water. The eye area must be rinsed with water for 15 minutes and seek medical attention as soon as possible.

Operation method:

1. Operational Tools and Equipment

CHMA810 can be glued manually or with 2:1 dispenser

2. Bonding method

Coat the mixed CHMA660 on either side of the two substrates on one side. After the glue is applied, it is necessary to complete the bonding, adjust the bonding surface, and apply pressure to fix it within working hours. After the initial curing of CHMA810 is achieved, it can be polished, packaged or assembled.

The maximum coating thickness should not exceed 9.5mm.

Storage period:

The shelf life of CHPAE810 is 12 months from the date of manufacturing when stored at 12.7°C (55°F) to 24°C (75°F). Prolonged storage at temperatures above 24°C will reduce the shelf life. Refrigeration at 7.2°C (45°F) to 12.7°C (55°F) can extend the shelf life.

ILLUSTRATE:

The data in this document are obtained under laboratory conditions. Due to the difference in use conditions, the terms should be analyzed and tested with reference to these data and usage conditions. Cohui adhesive does not guarantee the sales of Cohui adhesive products and the use of Cohui adhesive products under specific working conditions, and does not assume any direct, indirect or accidental loss responsibility.