# CERAMIC SEAMLESS BASIN JOINT ADHESIVE CHMA602PRO

The CHMA602 PRO is a two -part methyl methacrylate structural adhesive, specifically designed for ceramic ,sintered stone basin. It is custom-colored to match ceramic basin and used for seamless bonding between ceramic basin and sintered stone .

When CHMA602 PRO is used with a hardener at a ratio of 10:1, the operating time is 6-12 minutes, the initial curing time is 15-25 minutes, and the grinding time is 25-30 minutes. After hardening, CHMA602 PRO exhibits high bonding strength, fast curing, excellent UV stability, yellowing resistance, high-temperature resistance, good water resistance, good impact resistance, and abrasion resistance.

**Physical properties (unhardened) -room temperature**

| | Component A | Component B |
|---|---|---|
| Viscosity, CP | 100000-150000 | 2000-4000 |
| Color: | White | Milky white or transparent |
| Density, G/CC) | 1.1 | 1.02 |
| Mix ratio, volume | 10 | 0.9-1.1 |
| Mix ratio, weight | 10.1 | 1 |

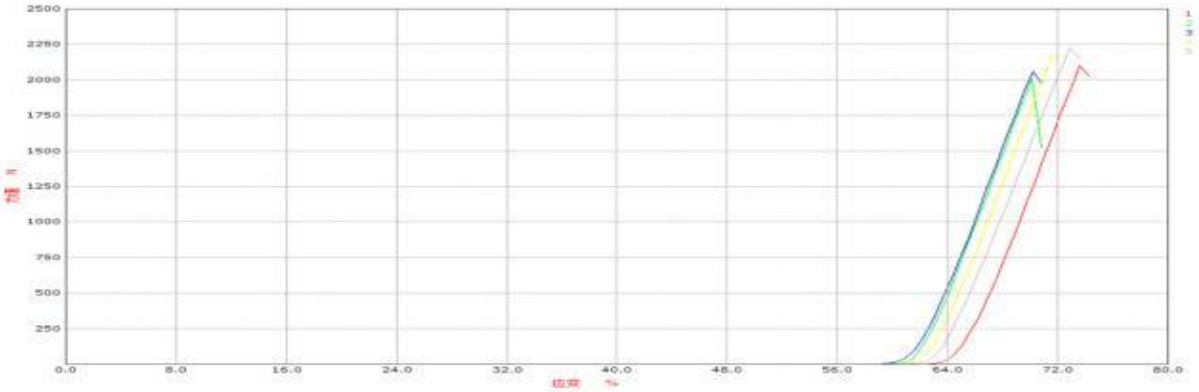
**Operating time under different temperature conditions (the following data were measured under experimental conditions, with a mixing ratio of 10:1 by volume and a mixing amount of 10g)**

| Ambient temperature ℃ | operating time min | initial curing time min | Polishable time (min) | extrusion |
|---|---|---|---|---|
| 0 | 45-50 | 90-100 | 120-150 | Difficult |
| 5 | 30-36 | 60-70 | 90-100 | normal |
| 10 | 20-26 | 40-45 | 60-70 | better |
| 15 | 15-21 | 30-40 | 35-45 | better |
| 20 | 10-16 | 20-30 | 25-35 | better |
| 25 | 6-12 | 15-25 | 20-30 | better |

Note: The above datas are obtained in the laboratory with a mixing adhesive weight of 10g. Actual construction environments, substrates, and adhesive weight may vary slightly. If the temperature is below 10°C, appropriate heating is recommended.

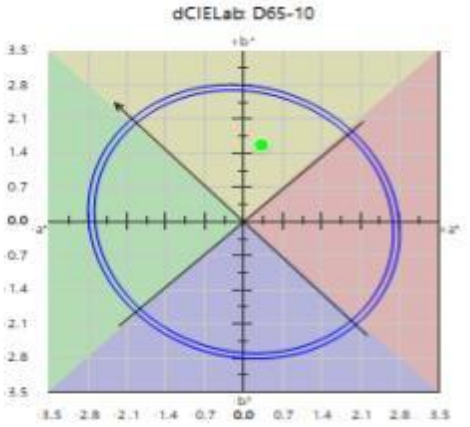
**Mechanical properties (after hardening) -room temperature cured for 72 hours**

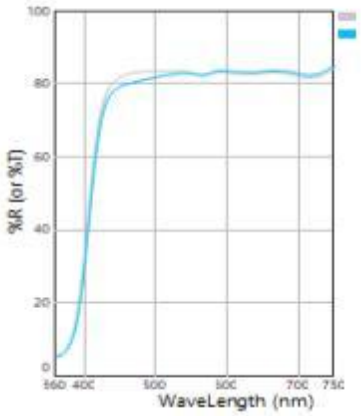
Three-point bend strength (MPa) for sintered stone/sintered stone>16. Refer to JC/T 989-2016, Section 6.10 adhesive blending strength.



**Weather resistance:**

Aging resistance yellowing performance: Refer to standard GB/T16422.3-2014/ISO4892-3:2006. Under black standard temperature 60℃±3℃/UVA340 with 0.76W UV intensity, irradiation exposure for 8 hours followed by condensation exposure for 4 hours at 50℃±3℃. Color difference tester: b value ≤2.5 or ISO105-A02-1993 gray card grade>4.




Temperature resistance: -55℃ to 121℃

Glass transition temperature Tg: 90/℃

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

**Advantages**:

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

**Environmental resistance**:

Excellent water resistance,good impact resistance,abrasion resistance,high-temperature resistance,and UV resistance

Applicable material:

Seamless jointing for ceramic basin & sintered stone

**Precautions:**

When not in use, seal the container 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 immediately.

Due to the characteristics of rapid hardening , mixing a large amount of CHMA602 PRO will releases a large amount of heat energy, and at the same time it releases heat, it also releases gas , just like boiling . The recommended maximum adhesive thickness is 9.5mm

**Operation method:**

1. Operational Tools and Equipment

CHMA602 PRO can be glued manually or with automatic equipment.

For the automatic glue application of the production line, a 10:1 two-liquid type, metering/mixing glue dispenser is used (the mixing device must be a static mixing tube or a dynamic mixing tube). However, the pipe joints and pumps of the dispenser must be made of stainless steel, and copper or copper-containing alloy materials must not be used. And the material of the oil seal and the compression should be Teflon, Teflon-coated PVC foam or PE. Viton, BUNA-N, chloroprene rubber or other elastomers should not be used. For related information, please consult our company.

2. Bonding method

Coat the mixed CHMA602 PRO 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 CHMA602 PRO is achieved, it can be polished, packaged or assembled.

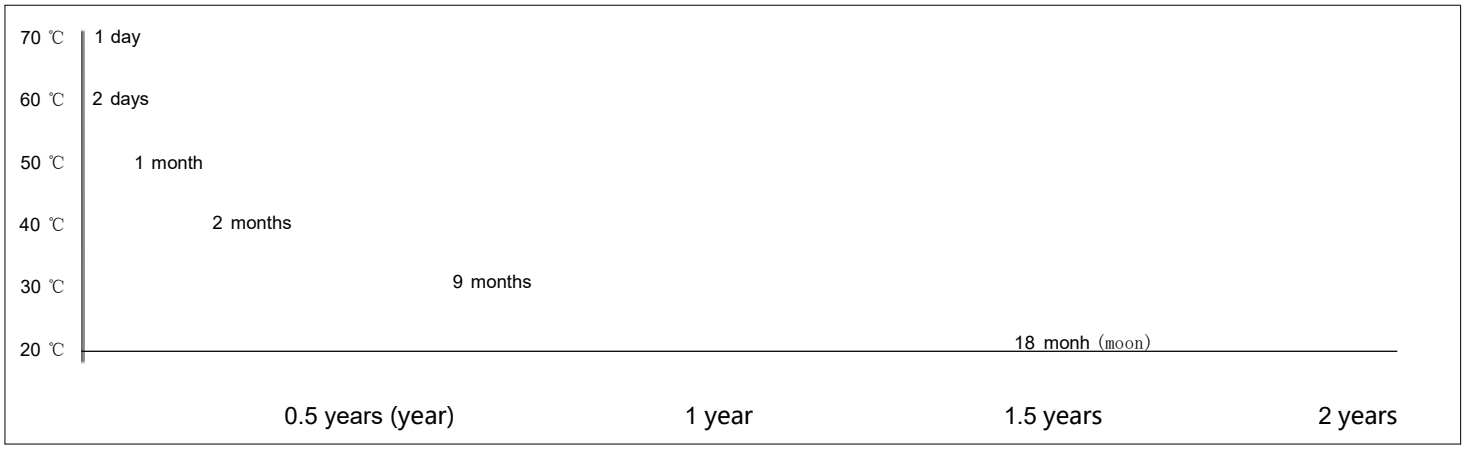
The viscosity of the main agent and hardener of CHMA602 PRO will change due to temperature.

In order to maintain the stable operation of the metering/mixing dispensing function of CHMA602 PRO, the main agent and hardener must be kept at an appropriate temperature. The maximum coating thickness should not exceed 9.5mm.

**Storage period：**

The shelf life of the main agent in CHMA602 PRO is 18 months from the date of manufacturing when stored at 12.7°C (55°F) to 24°C (75°F), and 12 months for the hardener and round tube packaging. 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.

**The relationship between the storage period of sclerosing agents and storage temperature is shown in the following figure:**




**ILLUSTRATE:**

The datas 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.

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