
MAGIC STONE 2C

MAGIC STONE 2C is the room temperature curable binder Methacrylate resin and asphalt products, concrete and metal (iron) with excellent adhesion and durability is excellent 2-component high performance coatings

CHARACTERISTICS

- This is excellent adhesion to asphalt and concrete
- Abrasion resistance and durability are excellent
- Construction of various types are available
- Excellent impact and abrasive resistance
- Excellent adhesion to beads

RECOMMENDED USE

- School zone coatings
- concrete coatings , asphalt coatings
- Lining board coatings

PHYSICAL PROPERTIES

- Colors Red, Green, Gray and other colors
- Pot life 5~20 min/25°C
- Hardening time 30 min/25°C
- Cars can pass the time 35~60 min/25°C
- Volume Solids 99.9%
- Theoretical Coverage 2.6kg/m²
(Film thickness 1.2mm)

THINNER

- UP thinner

CATALYST

- UP catalyst

MIXING RATIO

- A : B(hardener) = 100 : 2 (by weight)
- UP catalyst: 50g/25Kg (Spring and Autumn)
100g/25Kg (Winter, 10°C or more)
150g/25Kg(Winter, Less than 10°C)
- UP thinner: Less than 1ℓ/25kg

PACKING UNIT

- Main Agent (part A): 25kg
- Hardener (part B): 0.5kg

STORAGE CONDITIONS

- Store it indoors.
- Temperature: Less than 25°C
- Relative Humidity: 0~70% (sealed condition)
- Make sure that the remaining paint after use should be sealed.

SHELF LIFE

- 6 month (at room temperature)

PRECAUTIONS

- When painting in the room, make sure to change air and wear the protecting gloves and mask.
- Keep adequate ventilation during the application
- Keep it away from ignition.
- Make sure that the remaining paint after use should be sealed and kept out of the children in the dark place. .
- Please treat it with the paint 28 days after the cement mortar got the final treatment and it is below ph 9 and 8% moisture content.
- Make sure that the paint should not be kept for a long time after opening and the remaining paint should be sealed after use.
- When painting in the room, make sure to change air and wear the protecting gloves and mask.
- Avoid painting in a rainy or humid day (over 70%)
- MSDS is recommended for more information.
- Don't use the mixing product after pot life.
- Do not use other purpose except original recommended use.

** This document is exact, but it can be changed for quality improvement without notice. For more detailed information, contact to Technical Center of our company.*

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SCOPE

This Direction for use applies to **MAGICSTONE2C**. This is a standard guide. If there are anything different from the specification at the workplace, please follow the specification.

WORKING CONDITION

Products	color	Coating Tools	
Primer UP	a clear liquid	brush, roller	If necessary, the use of concrete
Magic stone 2C	Various colors	Dedicated tools	Main Agent Hardener Mixed

- Coating Method: Dedicated tools
- Painting Tools: power mixer, brush, roller, masking tapes and so on.
- Thinner: Working with less than 1 liters to Main Agent (25Kg)
- Mixing Ratio: A:B(hardener) = 100:2 (by weight)
- Catalyst: 50g/25Kg (Spring and Autumn)
100g/25Kg (Winter, 10°C or more)
150g/25Kg (Winter, Less than 10°C)
- Pot Life: 5~20 min (25°C)
- hardening time: 30 min (25°C)
- Application Conditions

	Material(°C)	Surface	Ambient	Humidity(%)
min	5	0	0	0
nor	21~25	21~26	21~26	Below 65
max	25	40	30	Up to 70

- These can be different under the working environments.
- In case of excess the limitation, contact our technical service.

SURFACE TREATMENT

(Concrete)

- Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
- Primer can work without
- Make surface flat with granular removing protrusion of concrete surface.
- The cure time of concrete.

Temperature(°C)	Drying times (days)
24	More than 28
21	Upper 30
10	Upper 40
7	Upper 60

(Asphalt)

- Please treat it with the paint 20 days after the asphalt mortar got the final treatment.
- Oil on the surface of asphalt contained 5~7 times

the water is completely dry after washing.

- Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.

DIRECTIONS FOR WORK

- Check the cleaned well surface.
- If there are some water it must be dried and must be not dusty.
- the case of the concrete surface to improve adhesion before doing only the primary coating may be able to do.
- you can use one can each part A and B, because it packed with suitable weight according to exact mixing ratio.
- Depending on the Temperature changes by adjusting the amount of hardener can be used.
- Thinner be used to adjust the workability.
(Check usage)
- After mixing well sufficiently, apply to surface with the MAGIC STONE 2C with rake or roller
- You can use the “up thinner” if you need.
- If those maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats.
- Don't use the mixing product after pot life.

PRECAUTIONS

- Make sure to keep the ratio of the prescribed mixture. If this ratio is not correct, it can cause the paint film not to harden well and wrinkle.
- Personnel protective clothing should include goggles, rubber gloves, and full length clothing.
- If you work at the high direct rays of the sun, it can cause the paint to swell. Please avoid painting it at this condition
- High temperature of surface may cause to some problem of product, so it is moderate to work between 10°C and 30°C of surface temperature.
- Keep adequate ventilation during the application.
- When painting in the room, make sure to change air and wear the protecting gloves and mask.
- Make sure to keep the ratio of the prescribed mixture. If this ratio is not correct, it can cause the paint film not to harden well and wrinkle.
- Make sure that the remaining paint after use should be sealed and kept out of the children in the dark place.
- Asphalt surface after removing the oil and construction
- Fully induration after the car passes.

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- After the work surface completely dry.
- Make sure that the remaining paint after use should be sealed and kept out of the children in the dark place.
- Keep it away from ignition.
- Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapors.
- MSDS is recommended for more information.
- Do not eat absolutely
- Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapors.
- Avoid painting in a rainy or humid day (over 70%) and under less than 5 °C as it can make poor paint film (Cracks or bad adhesion in the coating layers).
- Must not use this product for other purposes except for it's own use.

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