

WL-6005C TECHNICAL DATA SHEET

Product Description

WL-6005C is a general type of special resin for pre-promoting marble glue. The resin has the characteristics of high activity, short gel time, fast curing and high strength.

Application

WL-6005C resin made of marble glue is suitable for bonding between all kinds of stone or repair of stone surface cracks and broken marks, often used in various types of stone paving engineering and all kinds of stone repair, bonding positioning and filling.

Properties

Performance	Parameter	Unit	Standard test
Appearance	Transparent yellow liquid	-	GB/T8237-2005
Viscosity 25°C	600-700	mPa.s	GB/T7193-2008
Acid value	16-24	MgKOH/g	GB/T2895-2008
Solid content	67-73	%	GB/T7193-2008
Gel time 25°C	4-7	minutes	GB/T7193-2008

Note: 25°C Gel time: 100g resin with 4.5g BPO paste.

Liquid resin properties (Typical value)

Performance	Date	Unit	Standard test
Storage Period (Non trigger, darkness), 20°C	3	month	-

Typical properties of resin castings

Performance	Parameter	Unit	Standard test
Tensile Strength	55	Mpa	GB/T2567-2008
Tensile modulus of elasticity	2800	Mpa	GB/T2567-2008
Elongation at break	2.8	%	GB/T2567-2008
Bending strength	80	Mpa	GB/T2567-2008
Bending elastic modulus	2900	MPa	GB/T2567-2008
Impact strength	8	KJ/m ²	GB/T2567-2008
Heat distortion temperature	65	°C	GB/T1634-2004

Curing condition: Room temperature curing 24 hours, 40°C, 60°C, 80°C curing after 2 hours.

Test conditions: temperature 23±2°C, relative humidity 50±6%.



Storage condition

1. Before use, the resin should be stored in the original package (to avoid the damage of opening the drum and the drum) in a dry room below 25°C.
2. The increase of temperature and light exposure will significantly reduce the storage period, and the storage should be kept away from direct sunlight and heat source.
3. The unsaturated polyester resin liquid containing styrene is flammable, and should be stored away from an open flame.

Instructions and attentions

1. WL-6005C resin does not contain accelerant, and appropriate amount of accelerant and curing agent should be added according to the operating environment and operating requirements.
2. When using, we must pay attention to control the water content of glass fiber, filler, pigment paste and other materials, and pay attention to the compatibility of pigment paste and unsaturated polyester resin.

Please refer to the safety data sheet.

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