

Crack Sealing Adhesive

HM-9 crack sealing adhesive is solvent-free, two-component, high thixotropic modified epoxy resin adhesive. It is mainly used for concrete substrate repair and crack sealing.

▲▲Product Characteristics

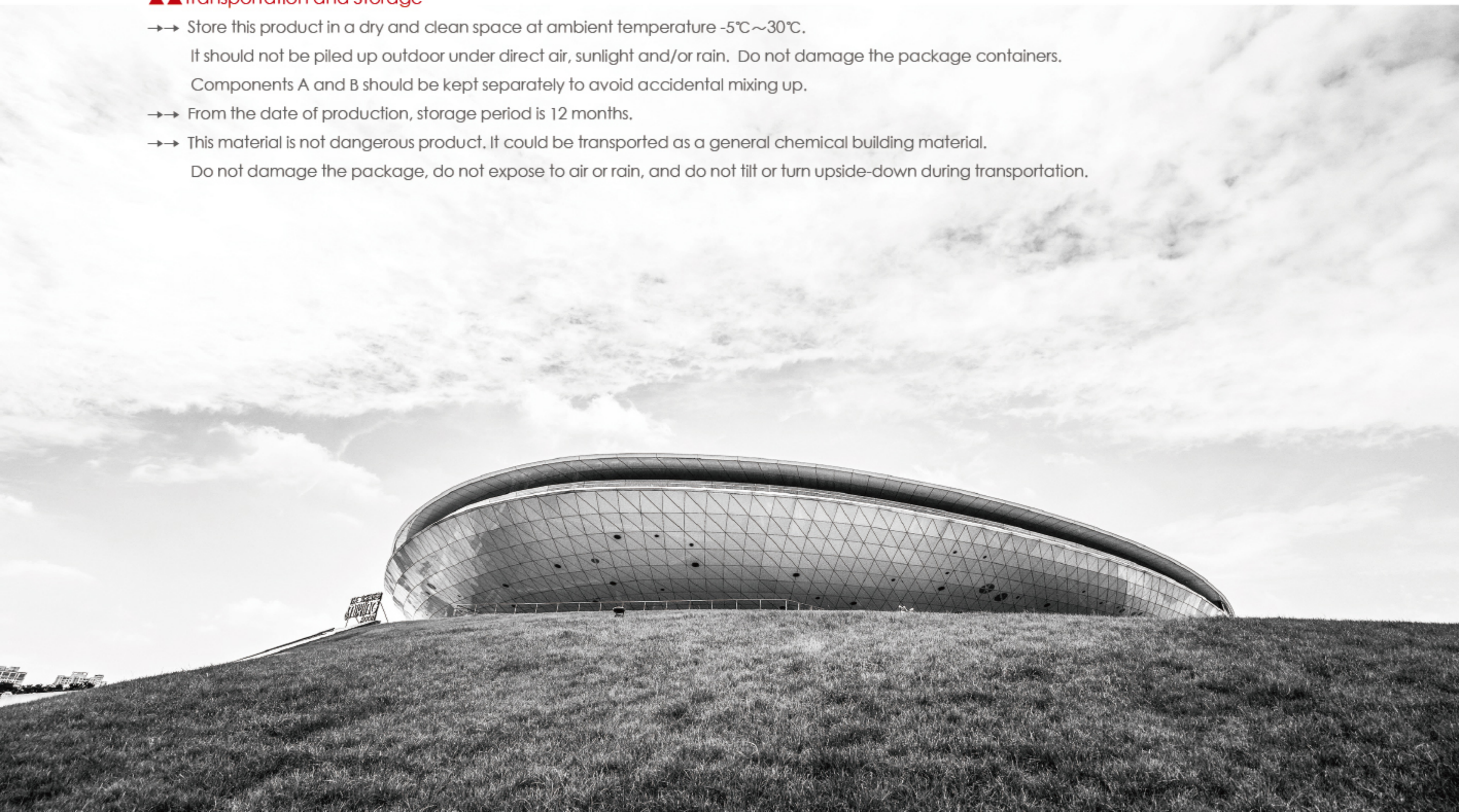
- Does not shrink after curing, it has high strength, and high modulus.
- Good thixotropic properties, which makes it easy to apply on concrete surfaces.
- It does not flow in over-head top and vertical side surface applications.
- Clear color difference from A and B parts, easy to mix and control quality.

▲▲Application Range

Mainly used for concrete substrate surface treatment/repair and crack sealing.

▲▲Transportation and Storage

- Store this product in a dry and clean space at ambient temperature $-5^{\circ}\text{C}\sim 30^{\circ}\text{C}$. It should not be piled up outdoor under direct air, sunlight and/or rain. Do not damage the package containers. Components A and B should be kept separately to avoid accidental mixing up.
- From the date of production, storage period is 12 months.
- This material is not dangerous product. It could be transported as a general chemical building material. Do not damage the package, do not expose to air or rain, and do not tilt or turn upside-down during transportation.



▲▲Technical Parameters

Description	Performance	Qualified Standard (GB50728-2011)
Physical Performance	Appearance	Part A: Stringy paste Part B: Stringy paste
	Weight Ratio	A : B=2 : 1
	Density (g/cm ³)	1.65±0.1
Adhesive Performance	Tensile Strength (MPa)	≥30
	Tensile Modulus (MPa)	≥1.5×10 ³
	Elongation at Break (%)	≥1.5
	Bending Strength (MPa)	≥40
	Compressive Strength (MPa)	≥70
	Distortion Temperature (°C)	≥60
Bonding Performance	Steel-steel Shear Bonding Strength (MPa)	≥10
	Steel-steel Normal Bonding Strength (MPa)	≥32
	Steel-C45 Pulling Bonding Strength (MPa)	≥2.5, Concrete cohesion failure
	Steel-steel T Impact Stripping Length (mm)	≤35
Non-volatile Matter Content (%)		≥99

▲▲Operation Process

- Prepare the substrate: The concrete surface should be kept clean and free of oil and dust.
- Mix the adhesive: Prepare adhesive according to the required proportion, in a clean container.
- Use a low speed electric drill to mix the adhesive (speed should be less than 400rpm), so to avoid introducing air bubble.
- Mix the adhesive for 2-3 minutes until achieving a uniform grey color mixture.
- Construction: Use putty knives or other similar tools for pasting the adhesive to the substrate.
Alternatively, hand application is permitted, while wearing protective gloves.

▲▲Points for Attention

Use this product at -5°C ~ 40°C ambient temperature.

▲▲Safety Measures

- Construction personnel should take safety protection measures (such as wearing masks, gloves, goggles, etc.), on-site attention to fire prevention measures, and maintenance well-ventilated work space.
- If accidentally got in touch with skin or clothing, immediately wipe clean with acetone and rinse with a large amount of water.
- If accidentally swallowed or splashed onto eye, please seek immediate medical attention.