

PRODUCT DESCRIPTION

HH-186B is a single-component, methacrylate pipeline thread sealant that appears as a blue liquid. It is applied between two tightly fitted metal surfaces and cures in the absence of air (anaerobically). The product features rapid curing and excellent solvent resistance; it contains no fillers, does not contaminate or clog hydraulic or pneumatic valves or filtration systems, and can be used on surfaces with slight oil contamination. Suitable for achieving tight sealing of threaded connections in industrial and civil pipelines such as fire protection pipes, air conditioning chilled water pipes, gas pipes, oil pipes, compressed air lines, and hydraulic/pneumatic systems, it can replace traditional materials like hemp fiber or polytetrafluoroethylene tape.

PRODUCT BENEFITS

1. Medium viscosity , suitable for large-diameter threaded seals.
2. Anaerobic curing: rapid solidification achieved after isolation from air.
3. Excellent solvent resistance.
4. Free of fillers, non-polluting, and does not clog hydraulic/pneumatic valves or filtration systems.
5. Suitable for use on surfaces with slight oil stains.
6. Wide operating temperature range: -54°C to 149°C.
7. Maximum sealing force up to 50 kg.

TYPICAL APPLICATIONS

1. Threaded connections on industrial pipes such as fire protection pipes, air conditioning chilled water pipes, gas pipes, oil pipes, and air compression pipes must be tightly sealed.
2. Sealing of hydraulic and pneumatic system pipelines
3. Replace traditional hemp fiber and polytetrafluoroethylene tape

TYPICAL PROPERTIES

Before Curing

surface	Blue liquid
Chemical Type	metacrylic acid ester
Specific gravity @ 25°C (g/ml)	1.05
Viscosity (mPa·s, 40 rpm, 25°C)	2000-2500
flash point (°C)	>93

Curing

Initial setting time (min)	<30
Full curing time (h)	24

After Curing

Breaking Torque (N·m)	< 8
Average Disassembly Torque (N·m)	< 8
Maximum sealing pressure 30min@25°C (kg)	50
Working Temperature Range (°C)	-54-149

HANDING AND SAFETY

During handling and use, suitable precautions against toxic hazards shall be taken, and the product shall be used only in well-ventilated areas.

DIRECTIONS FOR USE

1. Clean the threaded surfaces requiring adhesive application, ensuring they are free of dust, dry, and oil-free.
2. Apply this sealant as a continuous rubber ring along the external threaded surface.
3. Assemble the internal and external threads, tighten and loosen them multiple times to ensure the adhesive fills the joint area completely, then tighten the threads

or adjust them to the appropriate position; wipe away any excess adhesive.

4. For oversized threads (where significant clearance may affect curing speed and strength), the accelerator SG7649 can be used in conjunction to accelerate curing.

5. Place for curing, which may be supplemented with appropriate fixtures or other securing devices; initial curing takes 2–4 hours, and complete curing requires 24 hours.

confirm the suitability of this product for their intended application.

FOR CLEANUP

The product can be removed from metal surfaces with isopropyl alcohol. If the sealant has been dried for a long time or at high temperatures, cover the sealant with alcohol and allow to soften overnight.

SHELF LIFE AND STORAGE

When stored in the original container at temperatures between 8°C and 21°C, the shelf life is 24 months from the date of manufacture.

PACKAGING SPECIFICATIONS

10g/bottle, 50 g/bottle, 250 g/bottle

LEGAL DISCLAIMER

The information provided herein, including recommendations for product use and application, is based on internal laboratory testing conditions and is for reference only. Shandong Hoobond New Materials Co., Ltd. assumes no responsibility for any tests conducted by users or for any performance results obtained thereby. It is strongly recommended that users perform an evaluation prior to production to