



A-307 HYDROPHILIC POLYURETHANE LEAK STOPPER GROUTINGS

CONSTRUCTION STEPS



1		DETERMINE THE GROUTING POSITION AND DRILL HOLES EVERY 15~20CM 确定注浆位置，每15~20CM钻孔
2		BURIED WATER STOP NEEDLE 埋设止水针头
3		POUR MATERIAL INTO GROUTING 倒入材料注浆
4		GROUTING IN SEQUENCE 依次注浆
5		WASH CLEANING EQUIPMENT 清洗设备 禁止用水清洗
6		REMOVE THE NEEDLE OCCLUSION 取掉针头封堵

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A-307 HYDROPHILIC POLYURETHANE LEAK STOPPER GROUTING

✓ Pu grouting ✓ Pu foam ✓ Pu injection



Upgraded formula

Imported material

Ingenious
manufacturing

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产品说明

亲水性聚氨酯堵漏剂是单组份、低粘度、高固含量的灌浆材料，以多异氰酸酯与多羟基聚醚进行聚合反应生成，与水作用后可自乳化并迅速凝胶，形成不透水的高弹性凝胶体，具有弹性止水和水止水的双重功效。

产品特点

- 亲水性好，遇水快速反应固化凝胶，快速止水；
- 固结体为弹性体，弹性佳，无收缩，抗沉降形变能力优异；
- 包水性优异，可用于滴水的快速止漏，与基材粘着力强，对水质适应性较强；
- 固化物耐大多数有机溶剂、弱酸、碱和有机微生物的侵蚀。

适用范围

用于长期有水环境下活动缝的止水处理、有变形的非结构裂缝的防渗处理、混凝土/岩石/土壤等漏(涌)水部位的快速封堵等工程。

性能参数

产品名称	A-307 亲水性聚氨酯堵漏剂	粘度	≤ 1000 mPa · s
性能属性	单组份 WPU(I)	凝胶时间 (20倍水)	≤ 180s
产品外观	均匀的淡黄色液体，无杂质、不分层	包水性	≥ 20倍水
执行标准	JC/T2041-2020《聚氨酯灌浆材料》	不挥发物含量	≥ 78%
密度	≥ 1.00g/cm³	发泡率	≥ 350%

注意事项

- 本品为聚氨酯类材料，施工时应通风良好，远离火源，施工人员应佩护目镜，若不慎滴入眼睛，可用大量清水冲洗，并立即就医；
- 本品开封后应尽快使用完毕，未用完的材料必须按规定处理，不得倒入排水沟或土壤中。

施工要点

- 检查渗漏部位，清理渗漏部位污物，确认渗漏点后钻孔、安装止水针头，一般孔距为 10-30公分；
- 采用高压灌注堵漏机进行施工，将堵漏材料通过止水针头灌入，当相邻孔出现纯浆液时，移至邻孔继续灌入；
- 第一遍灌浆结束后，从第一个止水针头再灌一遍，在规定的压力下直至灌注饱和和完成灌浆，一般灌浆压力0.3mpa，注入率≤0.01L/min；
- 72小时后检查渗漏部位有无渗水，若无渗水可去掉外露止水针头，用砂浆将基面封闭、抹平。

包装贮存

本品采用铁质密封桶包装，运输时应防止日晒雨淋，避免挤压碰撞，保持包装完好，包装必须正置式堆放和运输，5℃-35℃阴凉干燥处贮存；自生产日期起保质期6个月。

声明

请按照说明书的指示进行规范施工，本公司不承担由于不正确使用引起任何损失责任，有关问题请咨询当地经销商或本公司技术服务部。

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Product Description

This low-viscosity grouting material with a high solid content is produced through a polymerization reaction between polycyanate and single-component, multi-hydroxyl polyethers. When it comes into contact with water, it can self-emulsify and quickly form an impermeable, highly elastic gel that offers both elastic water stopping and water sealing performance.

Scope of Application

This product is used for water stopping in long-term aquatic environments, for seepage prevention in non-structural cracks with deformation, and for rapid sealing of leak (infiltration) points in concrete, rock, soil, and other materials.

Features

- Excellent hydrophilicity allows for quick gel solidification upon contact with water, providing rapid water stopping capabilities.
- The solidified material is an elastomer, boasting excellent elasticity, no shrinkage, and outstanding resistance to settlement deformation.
- The product boasts excellent water resistance, making it ideal for quickly sealing leaks in water flow. It adheres strongly to the substrate and demonstrates a high level of adaptability to different water qualities.
- The solidified material is resistant to most organic solvents, weak acids, bases, and organic microorganisms.

Key Points for Application

- Inspect the leak site and clean up any debris at the leak site. After confirming the leak point, drill holes and install injection packers. The hole spacing is typically 10 cm to 30 cm apart.
- Use a high-pressure grouting machine to inject the product through injection packers. Move on to the next hole and continue the injection when the slurry comes out from the adjacent hole.
- After the first grouting is completed, repeat the process starting from the first packer. Complete the grouting under the designated pressure, typically at a grouting pressure of 0.3 MPa and an injection rate of <0.01 L/min.
- After 72 hours, check the leak site for any signs of water leakage. If there is no water leakage, remove the exposed packers, seal and level the surface with mortar.

Precautions

- Since this product is made of polyurethane, the application should be done in a well-ventilated area away from any source of fire. Operators should wear protective goggles. In case of accidental splashing into the eyes, rinse with plenty of clean water and seek medical attention immediately.
- Once opened, this product should be used up as soon as possible. Any remaining materials must be disposed of according to regulations and should not be directly poured into drains, water, or soil.

Performance Parameters

Product Name	A-307 Hydrophilic Polyurethane Leak Stopper	Viscosity	≤ 1000 mpa · s
Performance Attribute	Single-component WPU (I)	Gel Time(with 20 times water)	≤ 180s
Product Appearance	Even, light yellow liquid without impurities or layer separation	Water Absorption Capability	≥ 20 times water
Standard	JC/T2041-2020 Polyurethane Grouting Material	Non-volatile Content	≥ 78%
Density	≥ 1.00g/cm3	Foaming Rate	≥ 350%

Packaging and Storage

This product should be packaged in sealed iron containers. During transportation, precautions should be taken to avoid exposure to sunlight and rain, prevent squeezing and collisions, and ensure the packaging remains intact. The package must be stored and transported in an upright position and in a cool, dry place between 5℃ and 35℃. The shelf life is 6 months from the date of production.

Statement

Please follow the instructions in the user manual for proper construction. We will not be held responsible for any losses resulting from your improper use. For any inquiries, please consult your local dealer or our technical service department.

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