



Go Green
— Road Experts—

源宏



热熔型灌缝胶

Hot Melt Crack Sealant



产品介绍

Product Overview

随着沥青道路长期承受重载交通作用，路面在经历首个寒冬后，往往会出现不同程度的不规则裂缝。此外，在旧路加宽施工或基层强度不足的情况下，路面同样容易产生开裂问题。针对沥青路面裂缝病害，我司技术团队经过长期反复测试与实践，成功研发出高性能沥青路面灌缝材料。产品具有优异的粘结性能，高温状态下不粘轮、低温环境下不开裂不脆化，同时具备卓越的耐老化性能，可有效延长道路使用寿命。目前，我司热熔型道路灌缝胶凭借稳定可靠的品质，已获得全球众多道路养护及施工单位的广泛认可与应用。



Based on the heavy traffic on the current asphalt road, irregular cracks of varying degrees will appear after the first winter; Irregular cracks will also appear when the original road surface is widened, and when the subbase quality is not good enough.

Our technicians have repeatedly tested the cracks in the asphalt pavement and developed a high-quality asphalt pavement sealant. The product has strong adhesion, high temperature non-stick wheels, low temperature non-brittleness, anti-aging and other characteristics, our hot melt crack sealant quality has been recognized by worldwide road maintenance and construction companies approval.

产品优势

Product Advantages

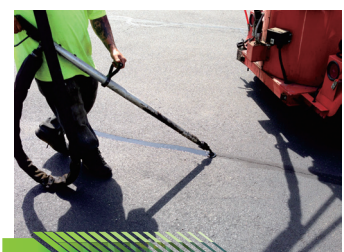
- 1 经济实用，品质优良，性价比高。
Economical and practical, high quality and low price, high cost performance.
- 2 弹性优异，延伸性能强，可承受较大的位移变形。
Good elasticity, large amount of stretch, can withstand large displacement.
- 3 具有极强的粘结性能，确保与路面接触界面保持良好附着力。
It has extremely strong adhesion, guarantees good adhesion to the road contact surface.
- 4 施工性能优良，材料加热后粘度适中，灌缝密实均匀。
Excellent construction performance, after the material is heated, the viscosity is small, and the pouring is dense.
- 5 适应温度范围广，可在 -30°C 至 60°C 环境下稳定使用，高温不流淌、不粘轮，低温不开裂、不脆化。
Adapt to temperature -30°C to 60°C , no flow at high temperature, no sticking to wheels, no brittleness at low temperature.



应用范围

Application

- 1 适用于沥青路面裂缝的养护与密封处理。
Maintenance and sealing of cracks on asphalt pavement.
- 2 适用于旧沥青路面加铺沥青磨耗层前的裂缝处理，以及沥青混凝土路面基层裂缝处理。
Treatment of cracks on old asphalt pavement before paving the asphalt wearing course, and treatment of sub-base cracks of asphalt concrete pavement.
- 3 适用于桥头跳车部位及伸缩缝的密封处理，以及水库堤坝接缝处理。
Treatment of bridge head jumping and expansion joints, sealing of reservoir embankment joints.
- 4 适用于机场跑道接缝及水泥混凝土板接缝的密封处理。
Treatment of the joints between the airport runway and the cement concrete plate.



施工步骤

Construction

施工准备 Preparation

设置安全警示标志，将开槽机及灌缝机就位；根据施工要求准备开槽作业。启动灌缝机进行预热，加入灌缝胶并充分搅拌，施工温度控制在 170℃–200℃ 之间。

Put the safety signs in place, put the slotting machine and the joint filling machine in place; prepare slotting according to the construction requirements, start the joint filling machine to preheat, add crack sealant and stir, control the temperature between 170℃ and 200℃.

开槽作业 Grooving

根据施工要求选择合适规格的开槽刀片（推荐槽宽及槽深均为 13mm–26mm），调整至所需深度后进行开槽施工。

Install a suitable saw blade according to the size required by the construction (recommended width and depth are both 13mm–26mm), adjust the required depth, and perform slotting operations.

缝隙清理 Clean up

人工初步清理后，使用空压机或背负式吹风机，将缝内碎屑及灰尘彻底清除，确保缝隙干净、干燥。

After manual cleaning, use an air compressor or a knapsack blower to thoroughly clean up the debris and dust in the seam.

灌缝施工 Filling joints

当灌缝胶温度达到 170℃–200℃ 时即可开始灌缝施工。建议施工时缝隙温度高于 10℃；冬季气温低于 5℃ 时，建议先对槽缝部位进行预热后再进行灌缝。

When the crack sealant temperature is between 170℃ and 200℃, start to fill the joints; the temperature of the joints is recommended to be above 10℃; if the temperature in winter is below 5℃, it is best to preheat the part of the groove before starting to fill the joints.

开放交通 Maintenance

灌缝完成约 15 分钟后，即可开放交通。

After 15 minutes of filling, the traffic can be opened.

技术指标

Technical Standards

检测项目 Testing Item		0℃,	-10℃,	-20℃	-30℃
锥入度 Cone penetration (25℃, 5s, 150g) (0.1mm)		≤70	50–90	70–110	90–150
压缩回弹率 Compression rebound rate (25℃) (%)		30~70			
190℃粘度 Viscosity (190℃) (Pa · s)		1–4			
密度 Density (g/cm ²)		≤1.50	≤1.45	≤1.40	≤1.35
热老化后性能 Performance after thermal aging (190℃)	软化点 Softening point (℃)	≥90	≥80	≥80	≥80
	低温拉伸性能 Low temperature stretching	0℃, 50%, 3 cycles, pass	0℃, 50%, 3 cycles, pass	0℃, 50%, 3 cycles, pass	0℃, 50%, 3 cycles, pass

备注：在恒定温度条件下，50%、75%、100%及150%表示试样拉伸长度与试件厚度（15 mm）的比值。
Note: 50%, 75%, 100%, and 150% are the ratios of tensile length to specimen thickness (15 mm) at a fixed temperature.

包装和储存

Package & Storage

包装：12.5公斤/箱
储存：远离火源及热源存放
保质期：未开封3年

Package: 12.5kg/box
Storage: Keep away from fire and heat sources
Shelf life unopen: 3 years.





Go Green Global

Welcome to join Go Green team

Go Green has continued to progress against our sustainability targets, with new approaches to energy efficiency and carbon reduction. Our eco-friendly paving materials are supplied to all over the world.



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